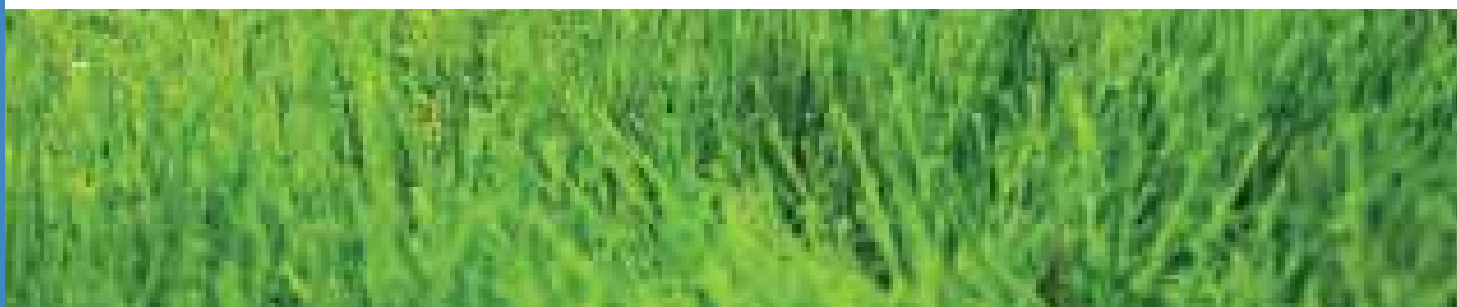


[www.lgaircon.co.uk](http://www.lgaircon.co.uk)





































# LG Air Conditioning



2007

# features guide



| Features  |  | Features  |                                  |
|---|--|---|----------------------------------|
|    | • NEO Plasma Air Purifying System      |    | • Slide-Out Chassis              |
|    | • Anti Corrosion Gold Fin              |    | • 7-Hour OFF Setting Timer       |
|    | • Auto Changeover                      |    | • 12-Hour OFF Setting Timer      |
|    | • Auto Cleaning                        |    | • Electric Heater                |
|    | • Jet Cool                             |    | • Child Lock Function            |
|    | • Natural Wind By CHAOS Swing          |    | • Duct Operation                 |
|  | • Wireless Remote Controller           |  | • Neuro Fuzzy Control (Optional) |
|  | • Sleep Mode Auto Operation            |  | • Auto Swing                     |
|  | • Quiet Operation                      |  | • Soft Dry Operation Mode        |
|  | • Healthy Dehumidification             |  | • Weekly Program                 |
|  | • Auto Restart                         |  | • Low Standby Power              |
|  | • One-Touch Air Filter (Anti-Bacteria) |  | • Two Thermistor Control         |
|  | • 24-Hour ON/OFF Setting Timer         |  | • Zone Control (Optional)        |
|  | • Hot Start (Heat pump Only)           |  | • Group Control                  |
|  | • 4-Way Air Deflection                 |  | • Central controller (Optional)  |
|  | • Reversible Open Grille               |  | • Changeable Panel               |
|  | • Low Ambient                          |  | • Energy Saving                  |



| Section                                  | Page Number |
|--|-------------|
| <b>introduction</b>                      | 4           |
| <b>unique features</b>                   | 6           |
| <b>art cool</b>                          | 8           |
| <b>wall mounted style</b>                | 14          |
| <b>ceiling cassette type</b>             | 20          |
| <b>ceiling concealed type</b>            | 25          |
| <b>ceiling and floor type</b>            | 27          |
| <b>synchro - twin, triple &amp; quad</b> | 31          |
| <b>floor standing</b>                    | 36          |
| <b>multi-split air conditioners</b>      | 39          |
| <b>eco v</b>                             | 63          |

#### Design Award Symbols

IF Design Award



International  
Forum  
Design

Reddot Design Award



reddot  
design award

Good Design Award



Good  
Design  
Mark



# LG Electronics, The World's Best Seller, Seven Years in a Row

"The outstanding quality of LG air conditioners is recognised by people all over the world." According to an article by Japan's famous refrigeration and air conditioning magazine JARN (Japan Air Conditioning, Heating & Refrigeration News), LG Electronics sold its 4.9 million air conditioners in 2000, taking the world's first spot in sales. With sales of 10 million units in 2004 and 2005, it has become the top seller of air conditioners in the world for seven consecutive years. This landmark achievement has been made possible by our continuous R&D activities, expansion of production lines, and 6-sigma campaigns (6-sigma quality control system), among others. LG Electronics is committed to maintaining its market leadership in air conditioners through its advanced technologies and R&D efforts.



International  
Forum  
Design



reddot  
design award

# LG Air Conditioners are environment-friendly and future-orientated.

LG Air Conditioning units use R410A refrigerant, and neo plasma air-purifying system for powerful sterilisation for health-conscious customers. Also, ARTCOOL series with outstanding designs have received International Forum Design Award, Reddot Design Award and G Mark. They have improved air flow innovations to realise world's lowest noise, and provide a more pleasant and convenient indoor environment.

## Environmental concern 2007

As the concern for environment increases day by day, EC Directive made it a regulation to put an indication on all air conditioning products. Customers can purchase the products taking into consideration the energy consumption of the unit.

| Energy  |                   | Air-conditioner |
|---|-------------------|-----------------|
| Manufacturer  | Outside unit      | inside unit     |
| More efficient  |                   |                 |
| A   | B                 | C               |
| D   | E                 | F               |
| G   |                   |                 |
| Less efficient  |                   |                 |
| Annual energy consumption, kWh in cooling mode        |                   |                 |
| Cooling output  |                   |                 |
| Energy efficiency ratio                               |                   |                 |
| Type  | Cooling only      | —               |
|   | Cooling + heating | —               |
|   | Air cooled        | —               |
|   | Water cooled      | —               |
| Heat output   |                   |                 |
| heating performance                                   |                   |                 |
| A: higher G: lower                                    |                   |                 |
| Noise   |                   |                 |
| (dB(A) re 1 pW)                                       |                   |                 |
| Further information is contained in product brochures |                   |                 |
| Air-conditioner Energy Label Directive 2002/31/EC     |                   |                 |

### Energy Efficiency Class of The Unit In Cooling Mode :

|   |                   |
|---|-------------------|
| A | EER > 3.20        |
| B | 3.20 ≥ EER > 3.00 |
| C | 3.00 ≥ EER > 2.80 |
| D | 2.80 ≥ EER > 2.60 |
| E | 2.60 ≥ EER > 2.40 |
| F | 2.40 ≥ EER > 2.20 |
| G | 2.20 ≥ EER        |

### Energy Efficiency Class of The Unit In Heating Mode :

|   |                   |
|---|-------------------|
| A | COP > 3.60        |
| B | 3.60 ≥ COP > 3.40 |
| C | 3.40 ≥ COP > 3.20 |
| D | 3.20 ≥ COP > 2.80 |
| E | 2.80 ≥ COP > 2.60 |
| F | 2.60 ≥ COP > 2.40 |
| G | 2.40 ≥ COP        |

environment friendly

# Neo-Plasma air purifying system

LG's unique NEO Plasma Air Purifying system is equipped with 7 specialised filters in 5 separate stages to enhance its cleaning power. It reduces fine dust and mould, unpleasant odours and cigarette smoke as air passes each filter.



## 1. Pre Filter

The antibacterial pre-filter primarily reduces large dust, mould and quilt dust.

## 2. Nano Carbon Filter

Nano-size carbon filters removes fine odorous particles from the household air resulting in a more pleasant environment.

## What is Nano Carbon Ball?

Microscopic sized (1/10000000000) filter to ensure optimal filtration of odours.



## 3. Triple Filter

The triple filter consists of three specialised filters to reduce the symptoms associated with various organic compounds including formaldehyde. It also has the ability to reduce unpleasant odours creating a more comfortable environment.



## 4. Nano Bio Fusion Filter

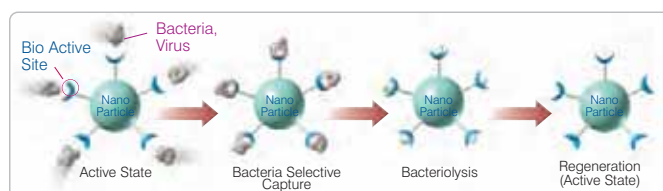
Nano bio fusion filters allow their nano-size bio enzymes to directly penetrate through cell walls of some bacteria and allergen to decompose its cell nuclei.



## 5. Plasma Filter

The PLASMA Air Purifying System developed uniquely by LG not only reduces microscopic contaminants and dust, but also reduces house mites, pollen, and pet fur to reduce allergy and asthma symptoms.

## Test Result Certification



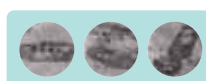
## Distinctions from Conventional Filters

\* Conventional



Simply inactivate bacteria

\* Nano Bio Fusion Filter



Destroy bacteria but allow part of them to survive



The bio enzyme destroys cell walls and nuclei of some bacteria and allergens.

# DC Inverter



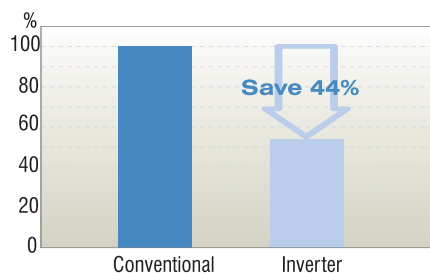
You may have heard the excitement about Inverter technology, LG Inverters are the pinnacle of energy efficiency due to the innovative operation. Rather than using a constant speed compressor, the LG Inverter system uses a variable speed compressor, which means the Cooling or Heating capacity of the Air Conditioning can be varied to suit Indoor conditions. This makes the LG Inverter Units more economical & efficient to operate, produce less noise than standard counterparts and contain the most superior features on the market. All LG Inverter units have 7 major benefits including premium features like

## Economical 1

High energy efficiency ensures a much more economical system

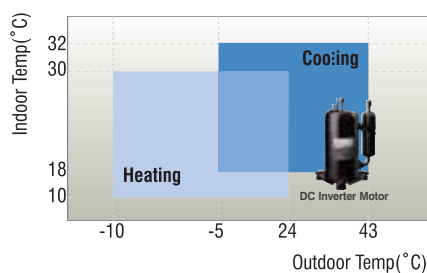
### Energy Saving

Unlike ordinary Conventional air conditioners, inverter air conditioners can control the speed of compressors to adjust cooling and heating. When indoor temperatures reach your desired levels, inverter air conditioners can operate their compressors at low speeds and maintain desired temperatures, thus saving you electricity cost by about 44% compared to conventional.



### DC Inverter Compressor

The LG inverter air conditioner uses a DC Inverter compressor due to its optimized refrigeration effect, low noise and high efficiency. DC compressor are much more efficient especially at low loads compared with conventional constant speed AC comps.

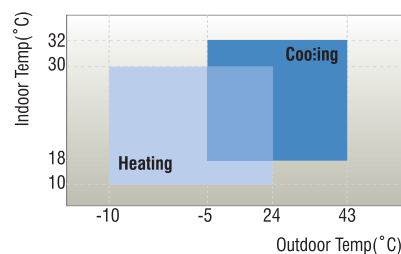


## Powerful 2

Ensures rapid cooling in summer and rapid heating in winter

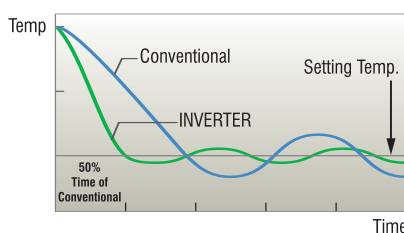
### Powerful Heating Capacity

With a wide operating range in both heating and cooling modes, inverter air conditioners will cool or heat your room even in extreme outdoor temperature conditions. Heating can be sustained even when the outdoor temperature is -10°C by Inverter technology.



### Quick Cooling & Heating

Inverter air conditioners can operate their compressors faster to give them more powerful performance. This results in being able to attain the desired temperature much faster in both heating and cooling modes than conventional air conditioners.



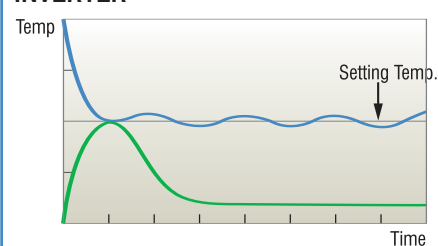
## Comfortable 3

Attains and maintains set temperature fast with minimal noise

### Pleasant Feeling

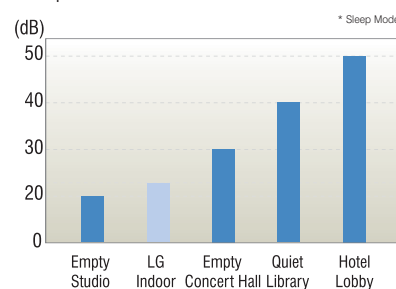
When the air conditioner is initially activated to either heat or cool, the compressor will operate at maximum speed to reach the desired temperature quickly. Once the desired temperature is achieved, unlike conventional air conditioners that turn the compressor on and off, LG inverter units adjust and constantly vary the compressor speed to maintain the desired temperature with minimal fluctuation to ensure that your comfort is not compromised.

#### INVERTER



### Quiet Operation

Inverter air conditioners are optimally designed to operate with the minimal noise with the use of a DC compressor.





# model line up 2007

## room air conditioners model line up 2007

| Type                       | 2.6   | 3.5   | 5.3   | 7   | 8.2   | 10  |
|----------------------------|---|---|---|---|---|---|
| Artcool Gallery Type       | <br>A09AW 1  | <br>A012AW 1 |   |   |   |   |
| Artcool Mirror Type        | <br>C09AW    | <br>C012AW   | <br>C018AW   | <br>C024AW   |   |   |
| Artcool Panel Type         | <br>A09AW   | <br>A012AW  |   |   |   |   |
| Wall Mounted Inverter Type | <br>S09AW  | <br>S12AW  | <br>S18AW  | <br>S24AW  |   |   |
| Wall Mounted Type          | <br>S09AHP | <br>S12AHP | <br>S18AHP | <br>S24AHP | <br>S30AHP | <br>S36AHP |



# ART COOL Gallery



LG is proud to introduce the ARTCOOL gallery series.

It boasts an unprecedented feature which allows you to use the front panel as a picture frame. Along with its simple but sleek design, ARTCOOL uses state-of-the-art technology assuring customer satisfaction

art cool

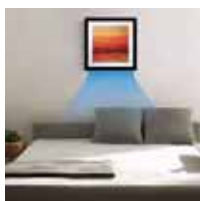
## Photo Changeable

You no longer have to be told what your air conditioner should look like. With LG's revolutionary ARTCOOL Photo Changeable, you can simply change the look of your air conditioner to what you want, when you want to.



## Digital Air Flow Control

The air flow can be controlled to ensure that maximum comfort and convenience is realised. You can even have the option of turning off the bottom louver to ensure your utmost comfort.



Jet Cool  
Speedy & Powerful



Sleep Mode  
Indirectly & Softly

## 3 - Dimensional Air Flow

Designed like a work of art, with the new concept of 3 dimensional air flow. It gives even cooling from the front and both sides.



\*Sample



A09AW1/A12AW1

# ART COOL Gallery

## A09AW1 NF0 A12AW1 NF0

- NEO Plasma Air Purifying System
- Anti Corrosion Gold Fin • Auto Cleaning
- Auto Changeover • Jet Cool/Jet Heat
- Natural Wind By CHAOS Swing • 3-Dimensional Air Flow
- Wireless Remote Controller (Luminous)
- Sleep Mode Auto Operation • Quiet Operation
- Healthy Dehumidification • Auto Restart
- One-Touch Air Filter (Anti-Bacteria)
- 24-Hour ON/OFF Setting Timer • Hot Start



Klimt, Gustav (1862-1918)  
The Kiss-Der Kuss



2.6~3.5kW

## Specification

| Model   | Indoor Unit |                      | A09AW1 NF0<br>A09AWU UF0 | A12W1 NF0<br>A12AWU UF0 |
|---|-------------|----------------------|--------------------------|-------------------------|
| Nominal Capacity  | Cooling     | kW                   | 2.7                      | 3.5                     |
| Capacity (UK)   | Cooling     | kW                   | 2.4                      | 3.1                     |
| Nominal Capacity (T1)                                       | Heating     | kW                   | 3.5                      | 4.2                     |
| Power Supply to Unit  |             | V/Phase/Hz           | 240/1/50                 | 240/1/50                |
| Power supply to   |             |                      | indoor                   | indoor                  |
| Inter connecting Cables                                     |             |                      | 4*15A                    | 4*15A                   |
| cores and rating  |             | No. Amps             |                          |                         |
| Running Current   | Cooling     | Amps                 | 3.8                      | 4.9                     |
|   | Heating     | Amps                 | 4.4                      | 5.2                     |
| Power Input   | Cooling     | kW                   | 0.8                      | 1.1                     |
|   | Heating     | kW                   | 1                        | 1.2                     |
| Start Current   | Cooling     | Amps                 | 4.5                      | 4.9                     |
|   | Heating     | Amps                 | 5.2                      | 5.7                     |
| Circuit Breaker   |             | Amps                 | 15                       | 15                      |
| T1 EER  | Cool        | (W/W)                | 3.25                     | 3.21                    |
| T1 COP  | Heat        | (W/W)                | 3.65                     | 3.62                    |
| ECA compliant   |             |                      | y                        | y                       |
| Air Circulation   | Indoor      | (m3/min)             | 8                        | 10.5                    |
| (High Speed)  | Outdoor     | (m3/min)             | 26                       | 34                      |
| Sound Levels  | Indoor      | dB(A) +/-3 (at 1.0m) | 42                       | 42                      |
| (High Speed)  | Outdoor     | dB(A) +/-3 (at 1.0m) | 48                       | 48                      |
| Indoor Units  | WxHxD       | (mm)                 | 600*600*145              | 600*600*145             |
| Outdoor Units   | WxHxD       | (mm)                 | 770*540*245              | 770*540*245             |
| Indoor Units  |             | (Kg)                 | 14                       | 14                      |
| Outdoor Units   |             | (Kg)                 | 34                       | 34                      |
| Liquid  |             | (Inch)               | 1/4                      | 1/4                     |
| Suction   |             | (Inch)               | 3/8                      | 3/8                     |
| Drain (ID)  |             | (mm)                 | 16                       | 16                      |
| Maximum Elevation   |             | (m)                  | 10                       | 10                      |
| Max. Distance between In & Out                              |             | (m)                  | 15                       | 15                      |
| Factory charge  |             | (Kg)                 | 1                        | 1                       |
| Charged for — m   |             | (m)                  | 7.5                      | 7.5                     |
| Additional g/m  |             | (g/m)                | 20                       | 20                      |
| need a low ambient kit to cool in ambients of less than 20C |             | Yes/No               | no                       | no                      |

**T1 Condition:** Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb  
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb  
**UK Condition:** Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

Note: Due to our policy of innovation some specifications may be changed without notification.

# ART COOL Mirror



art cool

LG ART COOL will certainly enhance your space. World-recognised refined designs will catch your attention. Fill your space with ART COOL's pleasantly cool breeze and upscale designs.

## C09AW\* NEO C12AW\* NEO

- NEO Plasma Air Purifying System
- Anti Corrosion Gold Fin • Auto Cleaning
- Auto Changeover • Jet Cool/Jet Heat
- Natural Wind By CHAOS Swing • 4-Way Auto Swing
- Auto Restart • Wireless Remote Controller (Luminous)
- Sleep Mode Auto Operation • Quiet Operation
- Healthy Dehumidification • Hot Start
- One-Touch Air Filter (Anti-Bacteria)
- 24-Hour ON/OFF Setting Timer



\*Mirror  
C09 / 12 AWR



\*Silver C09 / 12 AWR



\*Blue C09 / 12 AWR

## Specification

| Model   | Indoor Unit | Outdoor Unit        | C09AW* NEO<br>C09AWU UE0 | C12AW* NEO<br>C12AWU UE0 |
|---|-------------|---------------------|--------------------------|--------------------------|
| Nominal Capacity  | Cooling     | kW                  | 2.6                      | 3.5                      |
| Capacity (UK)   | Cooling     | kW                  | 2.3                      | 3.1                      |
| Nominal Capacity (T1)                                       | Heating     | kW                  | 3.7                      | 4.6                      |
| Power Supply to Unit  |             | V/Phase/Hz          | 240/1/50                 | 240/1/50                 |
| Power supply to   |             |                     | Indoor                   | Indoor                   |
| Inter connecting Cables                                     |             |                     | 4 * 15A                  | 4 * 15A                  |
| cores and rating  | No. Amps    |                     |                          |                          |
| Running Current   | Cooling     | Amps                | 3                        | 4.8                      |
|   | Heating     | Amps                | 4                        | 5.7                      |
| Power Input   | Cooling     | kW                  | 0.7                      | 1.1                      |
|   | Heating     | kW                  | 0.9                      | 1.3                      |
| Start Current   | Cooling     | Amps                | 3                        | 4.8                      |
|   | Heating     | Amps                | 4                        | 5.7                      |
| Circuit Breaker   |             | Amps                | 15                       | 15                       |
| T1 EER  | Cool        | (W/W)               | 4.05                     | 3.22                     |
| T1 COP  | Heat        | (W/W)               | 4.14                     | 3.63                     |
| ECA compliant   |             |                     | y                        | y                        |
| Air Circulation   | Indoor      | (m3/min)            | 8.5                      | 9.5                      |
| (High Speed)  | Outdoor     | (m3/min)            | 29                       | 29                       |
| Sound Levels  | Indoor      | dB(A)+/-3 (at 1.0m) | 33                       | 39                       |
| (High Speed)  | Outdoor     | dB(A)+/-3 (at 1.0m) | 48                       | 48                       |
| Indoor Units  | WxHxD       | (mm)                | 912 x 282 x 165          | 912 x 282 x 165          |
| Outdoor Units   | WxHxD       | (mm)                | 770 x 545 x 245          | 770 x 545 x 245          |
| Indoor Units  |             | (Kg)                | 10                       | 10                       |
| Outdoor Units   |             | (Kg)                | 32                       | 32                       |
| Liquid  |             | (Inch)              | 1/4                      | 1/4                      |
| Suction   |             | (Inch)              | 3/8                      | 3/8                      |
| Drain (ID)  |             | (mm)                | 16                       | 16                       |
| Maximum Elevation   |             | (m)                 | 7                        | 7                        |
| Max. Distance between In & Out                              |             | (m)                 | 15                       | 15                       |
| Factory charge  |             | (Kg)                | 1                        | 1                        |
| Charged for — m   |             | (m)                 | 7.5                      | 7.5                      |
| Additional g/m  |             | (g/m)               | 20                       | 20                       |
| need a low ambient kit to cool in ambients of less than 20C | Yes/No      |                     |                          |                          |

**T1 Condition:** Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb  
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb  
**UK Condition:** Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

Note: Due to our policy of innovation some specifications may be changed without notification.  
Note: \* indicates colour of panel (V: Silver, R: Mirror, B: Blue)

# ART COOL Mirror

**C18AW\* N33**  
**C24AW\* N33**

- NEO Plasma Air Purifying System
- Anti Corrosion Gold Fin • Auto Cleaning
- Auto Changeover • Jet Cool/Jet Heat
- Natural Wind By CHAOS Swing • Changeable Colour Panel
- 4-Way Auto Swing • Auto Restart
- Wireless Remote Controller (Luminous)
- Sleep Mode Auto Operation • Quiet Operation
- Healthy Dehumidification • One-Touch Air Filter (Anti-Bacteria)
- 24-Hour ON/OFF Setting Timer • Hot Start



\*Mirror  
C18 / 24 AWR



\*Blue

C18 / 24AWB



\*White Wood

C18AWW



\*Metal

C18 / 24AWM



5.3~7.0kW

## Specification

| Model  | Indoor Unit | Outdoor Unit         | C18AW* N33<br>C18AWU U33 | C24AW* N33<br>C24AWU U33 |
|--|-------------|----------------------|--------------------------|--------------------------|
| Nominal Capacity   | Cooling     | kW                   | 5.3                      | 7                        |
| Capacity (UK)  | Cooling     | kW                   | 4.7                      | 6.2                      |
| Nominal Capacity (T1)  | Heating     | kW                   | 6.1                      | 8                        |
| Power Supply to Unit   | V/Phase/Hz  |                      | 240/1/50                 | 240/1/50                 |
| Power supply to  | indoor      |                      | indoor                   | indoor                   |
| Inter connecting Cables  | 4 * 15A     |                      | 4 * 15A                  | 4 * 15A                  |
| cores and rating   | No. Amps    |                      |                          |                          |
| Running Current  | Cooling     | Amps                 | 7.5                      | 11.5                     |
|  | Heating     | Amps                 | 8.5                      | 12.5                     |
| Power Input  | Cooling     | kW                   | 1.6                      | 2.6                      |
|  | Heating     | kW                   | 1.9                      | 2.8                      |
| Start Current  | Cooling     | Amps                 | 7.5                      | 11.5                     |
|  | Heating     | Amps                 | 8.5                      | 12.5                     |
| Circuit Breaker  | Amps        |                      | 15                       | 15                       |
| T1 EER   | Cool        | (W/W)                | 3.23                     | 2.7                      |
| T1 COP   | Heat        | (W/W)                | 3.21                     | 2.84                     |
| ECA compliant  | n           |                      | n                        | n                        |
| Air Circulation  | Indoor      | (m3/min)             | 14.2                     | 16.6                     |
| (High Speed)   | Outdoor     | (m3/min)             | 42                       | 45                       |
| Sound Levels   | Indoor      | dB(A) +/-3 (at 1.0m) | 43                       | 43                       |
| (High Speed)   | Outdoor     | dB(A) +/-3 (at 1.0m) | 56                       | 56                       |
| Indoor Units   | WxHxD       | (mm)                 | 1170 x 315 x 173         | 1170 x 315 x 173         |
| Outdoor Units  | WxHxD       | (mm)                 | 870 x 655 x 320          | 870 x 655 x 320          |
| Indoor Units   |             | (Kg)                 | 13                       | 13                       |
| Outdoor Units  |             | (Kg)                 | 64                       | 64                       |
| Liquid   |             | (Inch)               | 1/4                      | 3/8                      |
| Suction  |             | (Inch)               | 1/2                      | 5/8                      |
| Drain (ID)   |             | (mm)                 | 16                       | 16                       |
| Maximum Elevation  |             | (m)                  | 15                       | 15                       |
| Max. Distance between In & Out                                 |             | (m)                  | 30                       | 30                       |
| Factory charge   |             | (Kg)                 | 1.2                      | 1.5                      |
| Charged for — m  |             | (m)                  | 7.5                      | 7.5                      |
| Additional g/m   |             | (g/m)                | 20                       | 30                       |
| need a low ambient kit to cool<br>in ambients of less than 20C | Yes/No      |                      |                          |                          |

**T1 Condition:** Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb  
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb  
**UK Condition:** Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

Note: Due to our policy of innovation some specifications may be changed without notification.  
Note: \* indicates colour of panel (V: Silver, R: Mirror, B: Blue)

# ART COOL Panel

## A09AW\* NF1 A12AW\* NF1

- NEO Plasma Air Purifying System • Anti Corrosion Gold Fin
- Auto Cleaning • Auto Changeover • Jet Cool/Jet Heat
- Natural Wind By CHAOS Swing • 3-Dimensional Air Flow • Hot Start
- Wireless Remote Controller (Luminous) • Sleep Mode Auto Operation
- Quiet Operation • Healthy Dehumidification • Auto Restart
- One-Touch Air Filter (Anti-Bacteria) • 24-Hour ON/OFF Setting Timer



\*White Silver  
A09 / 12AWH



A09 / 12AWE



A09 / 12AWG



A09 / 12AW



2.6~3.5kW

## Specification

| Model   | Indoor Unit          | Outdoor Unit        | A09AW1 NF0<br>A09AWU UF0 | A12AW 1NF0<br>A12AWU UF0 |
|---|----------------------|---------------------|--------------------------|--------------------------|
| Nominal Capacity  | Cooling              | kW                  | 2.7                      | 3.5                      |
| Capacity (UK)   | Cooling              | kW                  | 2.4                      | 3.1                      |
| Nominal Capacity (T1)                                       | Heating              | kW                  | 3.5                      | 4.2                      |
| Power Supply to Unit  | V/Phase/Hz           |                     | 240/1/50                 | 240/1/50                 |
| Power supply to   |                      |                     | indoor                   | indoor                   |
| Inter connecting Cables                                     |                      |                     | 4*15A                    | 4*15A                    |
| cores and rating  | No. Amps             |                     |                          |                          |
| Running Current   | Cooling              | Amps                | 3.8                      | 4.9                      |
|   | Heating              | Amps                | 4.4                      | 5.2                      |
| Power Input   | Cooling              | kW                  | 0.8                      | 1.1                      |
|   | Heating              | kW                  | 1                        | 1.2                      |
| Start Current   | Cooling              | Amps                | 4.5                      | 4.9                      |
|   | Heating              | Amps                | 5.2                      | 5.7                      |
| Circuit Breaker   | Amps                 |                     | 15                       | 15                       |
| T1 EER  | Cool                 | (W/W)               | 3.25                     | 3.21                     |
| T1 COP  | Heat                 | (W/W)               | 3.65                     | 3.62                     |
| ECA compliant   | Y                    |                     |                          |                          |
| Air Circulation   | Indoor               | (m3/min)            | 8                        | 10.5                     |
|   | (High Speed) Outdoor | (m3/min)            | 26                       | 34                       |
| Sound Levels  | Indoor               | dB(A)+/-3 (at 1.0m) | 42                       | 42                       |
|   | (High Speed) Outdoor | dB(A)+/-3 (at 1.0m) | 48                       | 48                       |
| Indoor Units  | WxHxD                | (mm)                | 600*600*145              | 600*600*145              |
| Outdoor Units   | WxHxD                | (mm)                | 770*540*245              | 770*540*245              |
| Indoor Units  |                      | (Kg)                | 14                       | 14                       |
| Outdoor Units   |                      | (Kg)                | 34                       | 34                       |
| Liquid  |                      | (Inch)              | 1/4                      | 1/4                      |
| Suction   |                      | (Inch)              | 3/8                      | 3/8                      |
| Drain (ID)  |                      | (mm)                | 16                       | 16                       |
| Maximum Elevation   |                      | (m)                 | 10                       | 10                       |
| Max. Distance between In & Out                              |                      | (m)                 | 15                       | 15                       |
| Factory charge  |                      | (Kg)                | 1                        | 1                        |
| Charged for — m   |                      | (m)                 | 7.5                      | 7.5                      |
| Additional g/m  |                      | (g/m)               | 20                       | 20                       |
| need a low ambient kit to cool in ambients of less than 20C | Yes/No               |                     | no                       | no                       |

**T1 Condition:** Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb  
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb  
**UK Condition:** Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

Note: Due to our policy of innovation some specifications may be changed without notification.  
Note: \* indicates colour of panel (V: Silver, R: Mirror, B: Blue)



# wall mounted type

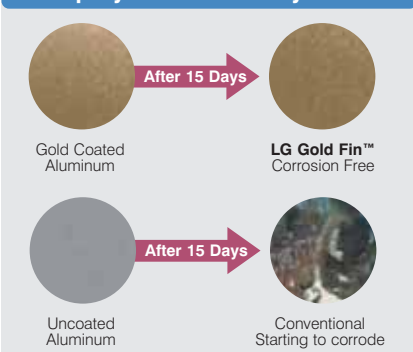
The most comfortable airflow for the human body can be found in nature. LG has applied the scientific Chaos theory to its Air Conditioning range, which effectively produces a natural, fresh breeze.

The Chaos theory is a technology that recreates the flow of natural air by controlling the angle of the movement of the air vane. Chaos Swing technology also minimises the temperature difference in the room, creating a more comfortable environment.

## Anti Corrosion Gold Fin™

LG's Gold Fin is an anti corrosion coating on the surface of the heat exchanger. This ensures that the surface is more resistant to corrosion and increases the durability to help the exchanger perform like new for a much longer period.

### Salt Spray Test for 15 Days



[Test Standard : ASTM B-117, KS D9502]



## Auto Clean

A main cause of air conditioner odours is mould and bacteria that breed in the heat exchanger. The Auto Clean function dries the wet heat exchanger to help prevent mould and bacteria from breeding thus significantly reducing the old rag smell and saves you from frequent cleaning.

Conventional



LG Auto Clean



### 1 STEP

Dries the evaporator with gentle low noise air from the fan by removing any remaining moisture.

Pressing the Auto Clean button will activate the automatic cleaning function after the cooling operation.

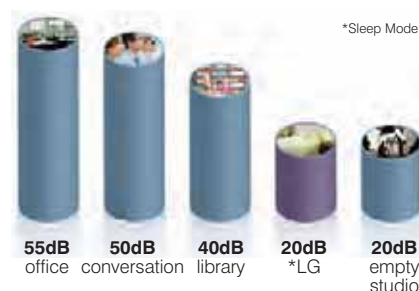


### 2 STEP

Removes moulds through the Neo Plasma system.

## Quiet Operation

The indoor unit has a quiet operational noise of 26dB in the sleep mode to offer you peace and quiet for the bedroom or office. In addition, the outdoor units have drastically reduced vibration and noise thanks to a super quiet fan and motor and an innovative anti noise mechanism.



### 1. Less noise with a three-layer, anti-noise mechanism

The anti noise mechanism blocks the noise from the fan and motor.

### 2. No-grille front panel

The full face panel reduces noise from the evaporator.

### 3. Conveniently attaches to the wall

The double-tubing cover addresses space problems between the wall and the air conditioner.



# wall mounted type

## Easy Quick Clean System

LG Split Systems are designed with simple cleaning in mind. The grille is completely detachable and access is made simple with the upward opening cover panel.

### 1 STEP Ez-Detachable Grille



All parts that need to be cleaned can be removed. Now, it is much easier to clean your air conditioner.

### 2 STEP Ez-Cleaning Filter



Filters must be kept clean at all times to ensure optimum operation. The LG Ez-Cleaning Filter is designed for easy handling and cleaning.

### 3 STEP Auto Clean Operation

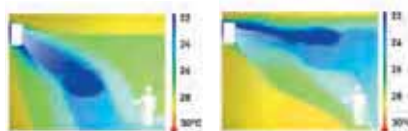


Moisture in the evaporator can increase the presence of germs and fungi. The Auto Clean Operation can reduce moisture for a fresh, soft, and dry condition.

## Healthy Dehumidification

Dehumidification mode reduces uncomfortable humidity from the room without over cooling.

### Indoor Temperature Distribution Chart

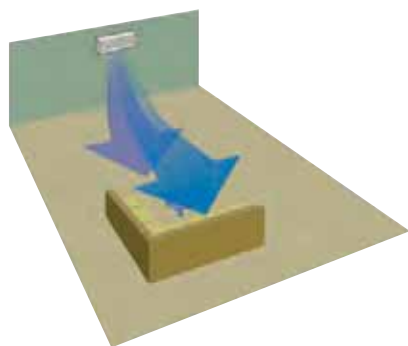


**Conventional**  
Since the surrounding temperature is measured after the air from the unit is widely distributed, an accurate assessment of the air is not possible.

**LG Healthy Dehumidification**  
By increasing the Vane Angle, a better assessment of the actual temperature is possible to prevent over cooling.

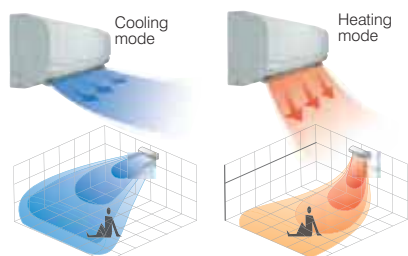
## Jet Cool™

The Jet cool function allows quick cooling. In this mode, cool air is blown at high speed for 30 minutes, until the room temperature reaches 18°C.



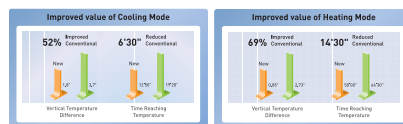
## Optimized Cooling & Heating Air Flow

The air vanes will be adjusted according to the mode of operation. In heating mode air will be distributed at a lower angle due to hot air rising.



## Even & Fast Air flow

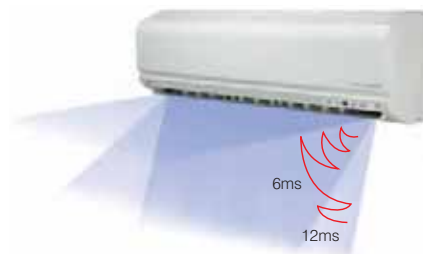
LG Electronics' air conditioner improves the difference between high and low indoor temperatures. It allows you to reach your desired temperatures even faster.



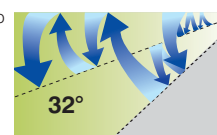
## Chaos Swing

The most comfortable airflow for the human body can be found in nature. After analysis, LG has applied the scientific Chaos theory to its air conditioners to effectively reproduce a natural breeze.

The Chaos technology recreates the flow of natural air by controlling the angle speed and movement of the air vane. It also minimizes the temperature difference in the room, creating a more comfortably conditioned environment.



It swings at an angle two times wider than that of the existing Chaos swing, thus minimizing the difference in indoor temperatures and allowing air in every corner of the room.



The angle is twice wider.

## 4 Way Auto Swing

Most LG air conditioners automatically distribute the air 4-ways to eliminate hot and cold patches to keep the room at a more constant temperature.





# inverter wall mounted type

## S09AW NEO / S12AW NEO S18AW N50 / S24AW N50

- NEO Plasma Air Purifying System
- Anti Corrosion Gold Fin • Auto Cleaning
- Auto Changeover • Jet Cool/Jet Heat
- Natural Wind By CHAOS Swing • Auto Restart
- Wireless Remote Controller (Luminous)
- Sleep Mode Auto Operation • Quiet Operation
- Healthy Dehumidification • Hot Start
- One-Touch Air Filter (Anti-Bacteria)
- 24-Hour ON/OFF Setting Timer



S09/12AW NEO

S18AW N50  
S24AW N50

2.6~3.5kW

5.3~7.0kW

## Specification

| Model   | Indoor Unit | Outdoor Unit         | S09AW NEO<br>S09AW UE0 | S12AW NEO<br>S12AW UE0 | S18AW N50<br>S18AW U50 | S24AW N50<br>S24AW U50 |
|---|-------------|----------------------|------------------------|------------------------|------------------------|------------------------|
| Nominal Capacity  | Cooling     | kW                   | 2.6                    | 3.5                    | 5.3                    | 7                      |
| Capacity (UK)   | Cooling     | kW                   | 2.4                    | 3.1                    | 4.9                    | 6.2                    |
| Nominal Capacity (T1)                                       | Heating     | kW                   | 3.6                    | 4                      | 6.1                    | 8.4                    |
| Power Supply to Unit  | V/Phase/Hz  |                      | 240/1/50               | 240/1/50               | 240/1/50               | 240/1/50               |
| Power supply to   | Indoor      |                      | Indoor                 | Indoor                 | Indoor                 | Indoor                 |
| Inter connecting Cables                                     | No. Amps    |                      | 4 * 15A                | 4 * 15A                | 4 * 15A                | 4 * 15A                |
| Running Current   | Cooling     | Amps                 | 3                      | 4.8                    | 7                      | 11                     |
|   | Heating     | Amps                 | 4                      | 5.7                    | 8                      | 13                     |
| Power Input   | Cooling     | kW                   | 0.7                    | 1.1                    | 1.6                    | 2.5                    |
|   | Heating     | kW                   | 0.9                    | 1.3                    | 1.7                    | 3                      |
| Start Current   | Cooling     | Amps                 | 3                      | 4.8                    | 7                      | 11                     |
|   | Heating     | Amps                 | 4                      | 5.7                    | 8                      | 13                     |
| Circuit Breaker   | Amps        |                      | 15                     | 15                     | 20                     | 30                     |
| T1 EER  | Cool        | (W/W)                | 4.05                   | 3.23                   | 3.31                   | 2.81                   |
| T1 COP  | Heat        | (W/W)                | 4.14                   | 3.63                   | 3.59                   | 2.83                   |
| ECA compliant   | y           |                      | y                      | y                      | y                      | n                      |
| Air Circulation   | Indoor      | (m3/min)             | 8.5                    | 9.5                    | 13                     | 18                     |
| (High Speed)  | Outdoor     | (m3/min)             | 29                     | 29                     | 42                     | 42                     |
| Sound Levels  | Indoor      | dB(A) +/-3 (at 1.0m) | 33                     | 39                     | 42                     | 45                     |
| (High Speed)  | Outdoor     | dB(A) +/-3 (at 1.0m) | 48                     | 48                     | 55                     | 60                     |
| Indoor Units  | WxHxD       | (mm)                 | 895*282*165            | 895 x 282 x 165        | 1090 x 300 x 180       | 1090 x 300 x 180       |
| Outdoor Units   | WxHxD       | (mm)                 | 770 x 545 x 245        | 770 x 545 x 245        | 870 x 655 x 320        | 870 x 808 x 320        |
| Indoor Units  |             | (Kg)                 | 8                      | 8                      | 13                     | 13                     |
| Outdoor Units   |             | (Kg)                 | 31                     | 31                     | 60                     | 66                     |
| Liquid  |             | (Inch)               | 1/4                    | 1/4                    | 1/4                    | 3/8                    |
| Suction   |             | (Inch)               | 3/8                    | 3/8                    | 1/2                    | 5/8                    |
| Drain (ID)  |             | (mm)                 | 16                     | 16                     | 16                     | 16                     |
| Maximum Elevation   |             | (m)                  | 10                     | 7                      | 15                     | 15                     |
| Max. Distance between In & Out                              |             | (m)                  | 20                     | 15                     | 30                     | 30                     |
| Factory charge  |             | (Kg)                 | 1                      | 1                      | 1.2                    | 1.8                    |
| Charged for — m   |             | (m)                  | 7.5                    | 7.5                    | 7.5                    | 7.5                    |
| Additional g/m  |             | (g/m)                | 20                     | 20                     | 20                     | 30                     |
| need a low ambient kit to cool in ambients of less than 20C | Yes/No      |                      | no                     | no                     | no                     | no                     |

**T1 Condition:** Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb  
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb  
**UK Condition:** Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

Note: Due to our policy of innovation some specifications may be changed without notification.

# wall mounted type

## S09AHP N40D S12AHP NE0D

- NEO Plasma Air Purifying System
- Anti Corrosion Gold Fin • Auto Cleaning
- Auto Changeover • Jet Cool/Jet Heat
- Natural Wind By CHAOS Swing • 4-Way Auto Swing
- Auto Restart • Wireless Remote Controller (Luminous)
- Sleep Mode Auto Operation • Quiet Operation
- Healthy Dehumidification • Hot Start
- One-Touch Air Filter (Anti-Bacteria)
- 24-Hour ON/OFF Setting Timer



wall mounted type

## Specification



2.3kW

2.8kW

| Model   | Indoor Unit | Outdoor Unit        | S09AHP N40D<br>S09AHP U40D | S12AHP NE0D<br>S12AHP UE0D |
|---|-------------|---------------------|----------------------------|----------------------------|
| Nominal Capacity  | Cooling     | kW                  | 2.8                        | 3                          |
| Capacity (UK)   | Cooling     | kW                  | 2.6                        | 2.8                        |
| Nominal Capacity (T1)                                       | Heating     | kW                  | 3                          | 3.3                        |
| Power Supply to Unit  | V/Phase/Hz  |                     | 240/1/50                   | 240/1/50                   |
| Power supply to   | Indoor      |                     |                            | Indoor                     |
| Inter connecting Cables                                     | 5 * 15      |                     |                            | 5 * 15                     |
| cores and rating  | No. Amps    |                     |                            |                            |
| Running Current   | Cooling     | Amps                | 3.9                        | 5                          |
|   | Heating     | Amps                | 4.2                        | 5.1                        |
| Power Input   | Cooling     | kW                  | 0.9                        | 1.1                        |
|   | Heating     | kW                  | 0.9                        | 1.1                        |
| Start Current   | Cooling     | Amps                | -                          | -                          |
|   | Heating     | Amps                | -                          | -                          |
| Circuit Breaker   | Amps        |                     | 15                         | 15                         |
| T1 EER  | Cool        | (W/W)               | 3.22                       | 3.23                       |
| T1 COP  | Heat        | (W/W)               | 3.4                        | 3.4                        |
| ECA compliant   | y           |                     |                            | y                          |
| Air Circulation   | Indoor      | (m3/min)            | 6.8                        | 8.6                        |
| (High Speed)  | Outdoor     | (m3/min)            | 23                         | 23                         |
| Sound Levels  | Indoor      | dB(A)+/-3 (at 1.0m) | 32                         | 40                         |
| (High Speed)  | Outdoor     | dB(A)+/-3 (at 1.0m) | 47                         | 49                         |
| Indoor Units  | WxHxD       | (mm)                | 840 x 270 x 153            | 840 x 270 x 153            |
| Outdoor Units   | WxHxD       | (mm)                | 717 x 498 x 229            | 717 x 498 x 229            |
| Indoor Units  |             | (Kg)                | 7                          | 7                          |
| Outdoor Units   |             | (Kg)                | 25                         | 25                         |
| Liquid  |             | (Inch)              | 1/4                        | 1/4                        |
| Suction   |             | (Inch)              | 3/8                        | 1/2                        |
| Drain (ID)  |             | (mm)                | 12.2                       | 12.2                       |
| Maximum Elevation   |             | (m)                 | 7                          | 7                          |
| Max. Distance between In & Out                              |             | (m)                 | 15                         | 15                         |
| Factory charge  |             | (Kg)                | 0.82                       | 0.85                       |
| Charged for — m   |             | (m)                 | 7.5                        | 7.5                        |
| Additional g/m  |             | (g/m)               | 20                         | 20                         |
| need a low ambient kit to cool in ambients of less than 20C | Yes/No      |                     | yes                        | yes                        |

**T1 Condition:** Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb  
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb  
**UK Condition:** Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

Note: Due to our policy of innovation some specifications may be changed without notification.

# wall mounted type

## S18AHP N51D S24AHP N52D

- NEO Plasma Air Purifying System
- Anti Corrosion Gold Fin • Auto Cleaning
- Auto Changeover • Jet Cool/Jet Heat
- Natural Wind By CHAOS Swing
- 4-Way Auto Swing • Auto Restart
- Wireless Remote Controller (Luminous)
- Sleep Mode Auto Operation • Quiet Operation
- Healthy Dehumidification • Hot Start
- One-Touch Air Filter (Anti-Bacteria)
- 24-Hour ON/OFF Setting Timer



## Specification



| Model   | Indoor Unit | Outdoor Unit         | S18AHP N51D<br>S18AHP U51D | S24AHP N52D<br>S24AHP U52D |
|---|-------------|----------------------|----------------------------|----------------------------|
| Nominal Capacity  | Cooling     | kW                   | 5.4                        | 7                          |
| Capacity (UK)   | Cooling     | kW                   | 5                          | 6.5                        |
| Nominal Capacity (T1)                                       | Heating     | kW                   | 5.8                        | 7                          |
| Power Supply to Unit  | V/Phase/Hz  |                      | 240/1/50                   | 240/1/50                   |
| Power supply to   | Indoor      |                      | Indoor                     | Indoor                     |
| Inter connecting Cables                                     | No. Amps    |                      | 5 * 15                     | 5 * 20                     |
| Running Current   | Cooling     | Amps                 | 8.2                        | 10.2                       |
|   | Heating     | Amps                 | 8.2                        | 10.9                       |
| Power Input   | Cooling     | kW                   | 1.8                        | 2.3                        |
|   | Heating     | kW                   | 1.8                        | 2.5                        |
| Start Current   | Cooling     | Amps                 | -                          | -                          |
|   | Heating     | Amps                 | -                          | -                          |
| Circuit Breaker   | Amps        |                      | 15                         | 20                         |
| T1 EER  | Cool        | (W/W)                | 3.01                       | 3.01                       |
| T1 COP  | Heat        | (W/W)                | 3.2n                       | 2.8                        |
| ECA compliant   |             |                      | 14                         | n                          |
| Air Circulation   | Indoor      | (m3/min)             | n                          | 16                         |
| (High Speed)  | Outdoor     | (m3/min)             | 42                         | 42                         |
| Sound Levels  | Indoor      | dB(A) +/-3 (at 1.0m) | 40                         | 44                         |
| (High Speed)  | Outdoor     | dB(A) +/-3 (at 1.0m) | 56                         | 56                         |
| Indoor Units  | WxHxD       | (mm)                 | 1090 x 300 x 178           | 1090 x 300 x 178           |
| Outdoor Units   | WxHxD       | (mm)                 | 870 x 577 x 276            | 870 x 577 x 320            |
| Indoor Units  | (Kg)        |                      | 13.5                       | 13.5                       |
| Outdoor Units   | (Kg)        |                      | 50                         | 60                         |
| Liquid  | (Inch)      |                      | 1/4                        | 3/8                        |
| Suction   | (Inch)      |                      | 1/2                        | 5/8                        |
| Drain (ID)  | (mm)        |                      | 12.2                       | 12.2                       |
| Maximum Elevation   | (m)         |                      | 15                         | 15                         |
| Max. Distance between In & Out                              | (m)         |                      | 30                         | 30                         |
| Factory charge  | (Kg)        |                      | 1.25                       | 1.6                        |
| Charged for — m   | (m)         |                      | 7.5                        | 7.5                        |
| Additional g/m  | (g/m)       |                      | 20                         | 30                         |
| need a low ambient kit to cool in ambients of less than 20C | Yes/No      |                      | yes                        | yes                        |

**T1 Condition:** Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb  
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb  
**UK Condition:** Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

Note: Due to our policy of innovation some specifications may be changed without notification.

# wall mounted type

## S30AHP NM0L (S36AHP NN0L)

- NEO Plasma Air Purifying System
- Anti Corrosion Gold Fin • Auto Cleaning
- Auto Changeover • Jet Cool/Jet Heat
- Natural Wind By CHAOS Swing
- 4-Way Auto Swing • Auto Restart
- Wireless Remote Controller (Luminous)
- Sleep Mode Auto Operation • Quiet Operation
- Healthy Dehumidification • Hot Start
- One-Touch Air Filter (Anti-Bacteria)
- 24-Hour ON/OFF Setting Timer



wall mounted type



## Specification









































| Model   | Indoor Unit | Outdoor Unit        | S30AHP NM0L<br>S30AHP UM0L | S36AHP NN0L<br>S36AHP UN0L |
|---|-------------|---------------------|----------------------------|----------------------------|
| Nominal Capacity  | Cooling     | kW                  | 8.2                        | 10                         |
| Capacity (UK)   | Cooling     | kW                  | 7.6                        | 9.3                        |
| Nominal Capacity (T1)                                       | Heating     | kW                  | 8.5                        | 10.3                       |
| Power Supply to Unit  | V/Phase/Hz  |                     | 240/1/50                   | 240/1/50                   |
| Power supply to   | Outdoor     |                     | Outdoor                    | Outdoor                    |
| Inter connecting Cables                                     | 4 * 5A      |                     | 4 * 5A                     | 4 * 5A                     |
| cores and rating  | No. Amps    |                     |                            |                            |
| Running Current   | Cooling     | Amps                | 13.5                       | 17                         |
|   | Heating     | Amps                | 14                         | 17                         |
| Power Input   | Cooling     | kW                  | 3.1                        | 3.7                        |
|   | Heating     | kW                  | 3.2                        | 3.7                        |
| Start Current   | Cooling     | Amps                | 85                         | 88                         |
|   | Heating     | Amps                | 85                         | 96                         |
| Circuit Breaker   | Amps        |                     | 30                         | 30                         |
| T1 EER  | Cool        | (W/W)               | 2.65                       | 2.69                       |
| T1 COP  | Heat        | (W/W)               | 2.66                       | 2.77                       |
| ECA compliant   | n           |                     | n                          | n                          |
| Air Circulation   | Indoor      | (m3/min)            | 21                         | 26                         |
| (High Speed)  | Outdoor     | (m3/min)            | 58                         | 58                         |
| Sound Levels  | Indoor      | dB(A)+/-3 (at 1.0m) | 49                         | 50                         |
| (High Speed)  | Outdoor     | dB(A)+/-3 (at 1.0m) | 62                         | 60                         |
| Indoor Units  | WxHxD       | (mm)                | 1259 x 349 x 205           | 1499 x 349 x 205           |
| Outdoor Units   | WxHxD       | (mm)                | 870 x 800 x 320            | 870 x 1060 x 320           |
| Indoor Units  |             | (Kg)                | 20                         | 25                         |
| Outdoor Units   |             | (Kg)                | 72                         | 80                         |
| Liquid  |             | (Inch)              | 3/8                        | 3/8                        |
| Suction   |             | (Inch)              | 5/8                        | 3/4                        |
| Drain (ID)  |             | (mm)                | 30                         | 30                         |
| Maximum Elevation   |             | (m)                 | 15                         | 15                         |
| Max. Distance between In & Out                              |             | (m)                 | 30                         | 30                         |
| Factory charge  |             | (Kg)                | 2.35                       | 2.75                       |
| Charged for — m   |             | (m)                 | 7.5                        | 7.5                        |
| Additional g/m  |             | (g/m)               | 30                         | 50                         |
| need a low ambient kit to cool in ambients of less than 20C | Yes/No      |                     | yes                        | yes                        |

**T1 Condition:** Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb  
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb  
**UK Condition:** Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

Note: Due to our policy of innovation some specifications may be changed without notification.

# commercial air conditioners

## model line up 2007

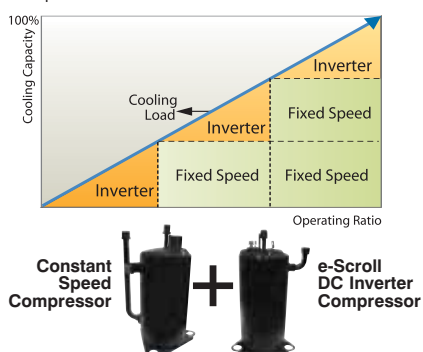
| Type \ kW                   | 3.5  | 5.3  | 7.1  | 8.8  | 10.1  | 12.3   | 14.1  | 17.6  |  |   |
|-----------------------------|--|--|--|--|---|--|---|---|--|---|
| Ceiling Cassette Type       | <br>UT12 NEC    | <br>UT18 NEC    | <br>UT24 NFC    | <br>UT30 NFC    | <br>UT36 NDC    |  | <br>UT48 NDC   | <br>UT60 NDC             |  |   |
| Ceiling Concealed Duct Type |  | <br>UB18 NHC    | <br>UB24 NHC    | <br>UB30 NGC    | <br>UB36 NGC     |  | <br>UB48 NRC   | <br>UB60 NRC             |  |   |
| Ceiling and Floor Type      | <br>UV12 NEC   | <br>UV18 NBC   | <br>UV24 NBC   | <br>UV30 NBC   |   |  |   |   |  |   |
| Ceiling Suspended Type      |  |  |  |  | <br>UV36 NKC   |  | <br>UV48 NLC | <br>UV60 NLC           |  |   |
| Outdoor Heat Pump           |  | <br>UU18 UEC  | <br>UU24 UEC  | <br>UU30 UEC  | <br>UU37 UEC  |  | <br>UU48 UHC | <br>UU60 UHB           | <br>UU72 UYC (21.1kW) | <br>UU100 UWC (28kW) |
| DC Inverter                 | <br>UU12W UEC | <br>UU18W UEC | <br>UU24W UEC | <br>UU30W UEC | <br>UU36W UHC |  |   | <br>UU48W UYB          | <br>UU60W UYB         |   |
| Floor Standing Type         |  |  |  |  | <br>P03AH SR1  | <br>P05AH UL2 |   | <br>P08AH UE1 (21.1kW) |  |   |

# MPS Inverter System



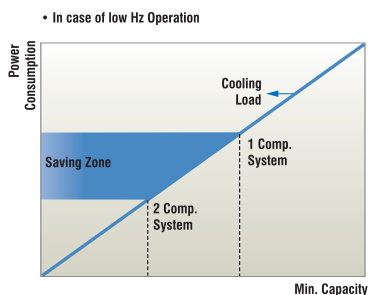
## Max. energy saving with MPS Inverter control

LG MPS (Multi Power System) inverter is an energy saving air-conditioning system which uses either one or two highly efficient constant speed compressors and a DC inverter compressor.



## Energy saving with MPS inverter control

MPS Inverter system operates one cycle with two compressors. When the load is small, only one compressor completes the cycle at low operation as explained in the diagram below. This results in reduced energy consumption as compared to a conventional inverter system that uses only one large inverter compressor.



## Low noise & Vibration

### e-Scroll Compressor

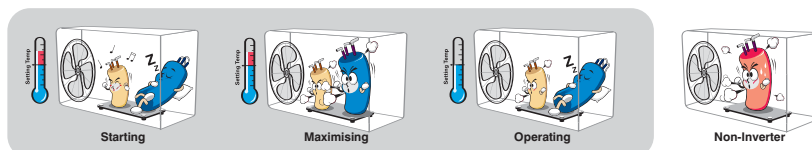
LG MPS consists of two or more compressors to perform at its best depending on cooling load. When required, only one compressor will operate resulting in less vibration and noise.

- Low Vibration and Noise
- Soft Start Operation



## What is LG MPS Inverter System?

- Load is low : Only Inverter Comp.
- Load is high : Inverter Comp + Constant Comp

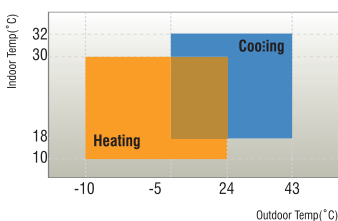
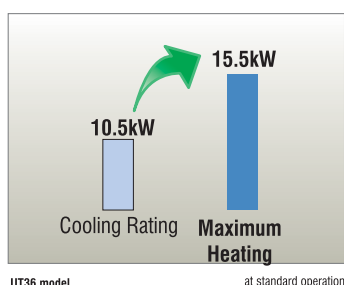


## LG MPS Inverter

MPS is a power saving system with dual compressors of different capacity (60% & 40%). Variable load matching is achieved with constant speed & inverter control compressors. Fast pull down & warm up is achieved through MPS and with power reduction as room temperature is reached.

## Powerful Heating Capacity

With a wide operating range in both heating and cooling modes, inverter air conditioners will cool or heat your room even in extreme outdoor temperature conditions. Heating can be sustained even when the outdoor temperature is  $-10^{\circ}\text{C}$  using LG's MPS inverter technology.

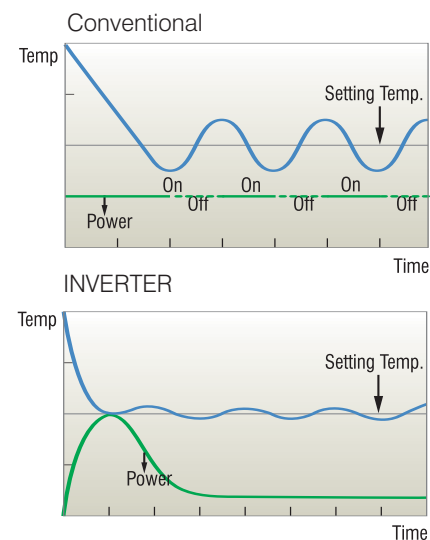


## Conventional (On/Off Operation)

During a conventional air conditioning cycle, the compressor must constantly turn on and off in order to maintain the desired temperature setting. A large amount of power is used during the restart resulting in unnecessary energy consumption.

## Comfortable with Fast Cooling & Heating Performance

When the air conditioner is initially activated to either heat or cool, the compressor will operate at maximum speed to reach the desired temperature quickly. Once the desired temperature is achieved, unlike conventional air conditioners that turn the compressor on and off, LG inverter units constantly adjust and vary the compressor speed to maintain the desired temperature with minimal fluctuation to ensure that your comfort is not compromised.

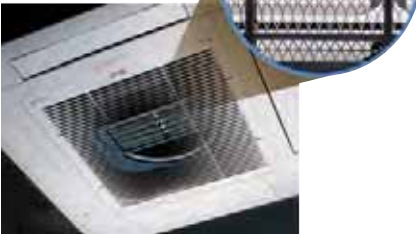




# ceiling cassette type

LG "Ceiling Cassette" is a indoor unit which is installed in various places such as restaurants, hotels, offices and meeting rooms. This unit has nice outlook and is equipped with many special features. It has four louvers for the air circulation in all directions which maintain even cooling.

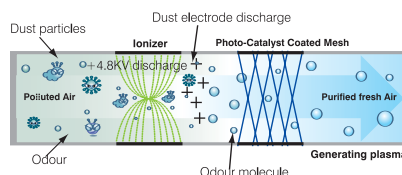
## Reducing the symptoms of allergies with less dust and odour.



## PLASMA Air Purifying System (Optional)

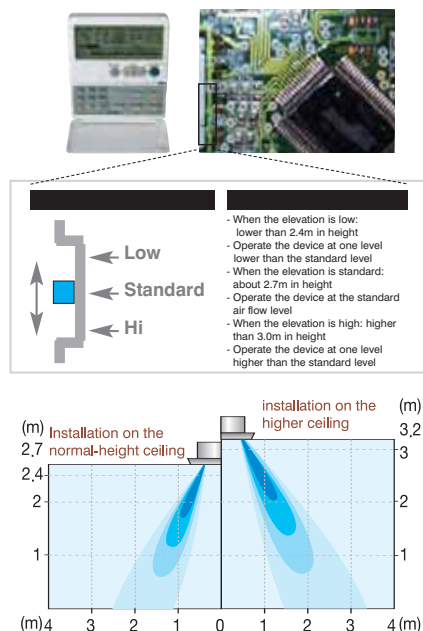
LG's unique PLASMA Air Purifying System not only reduces microscopic contaminants and dust, but also filters house mites, pollen and even pet fur to ease allergy and asthma symptoms.

With a filter that can be used over and over again by simply washing it, you can enjoy clean fresh air without having to worry about changing the filter every couple of years or so resulting in cost savings.



## Function to Control the Air Volume by Ceiling Height

Control of the air intensity has been made possible by employing a height-control algorithm for the interior fan.

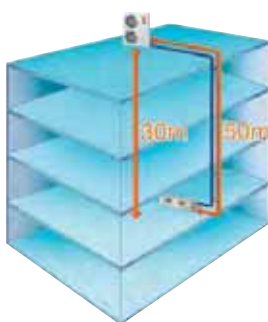




# ceiling cassette type

## Long Distance, High Elevation Piping

LG air conditioners (cassette and concealed duct models) can be installed (up to 50m) apart with level difference (up to 30m).



## Super Low Power Consumption Use in Standby Mode by Adopting SMPS

(Switching Mode Power Supply)

### Power waste due to standby power

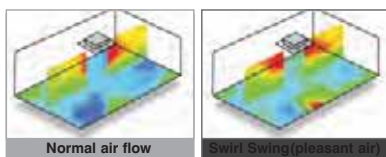
- Power is wasted if a plug is connected to an outlet even though the appliance is turned off.

### Development of super power-saving SMPS (Switching Mode Power Supply)

- Low standby power function reducing standby power by 90%.

## Swirl Swing

Swirl swing distributes air evenly throughout the room to ensure a more comfortable conditioned environment by adjusting the movement of the louvers.



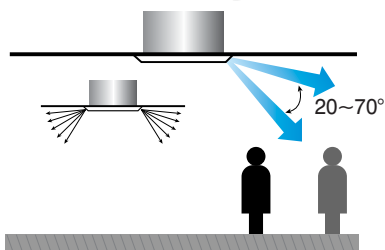
• Comparison of temperatures



Vertical Temp. Differences Horizontal Temp. Differences

## Space Control

The vane angle can be set in two positions to give optimum indoor comfort. It can be controlled by wired remote control to eliminate direct drafts which can lead to discomfort and reduced productivity.



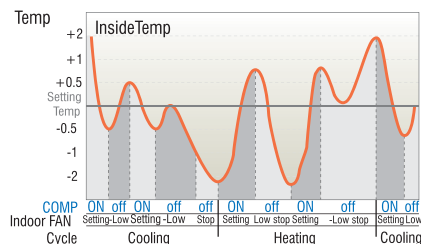
## High Ceiling Operation

Depending on the height of the installation, LG air conditioners allow you to vary the speed of the indoor fan motor.

When installation is low, the RPM can be reduced, but it can also be increased when the installation is high to ensure optimum comfort levels. The speed can be adjusted via the slide switch on the back of the LCD wired remote.

## Auto Changeover

The air conditioner will switch automatically from cooling to heating modes depending on the set temperature.



## LCD Wired Remote Controller

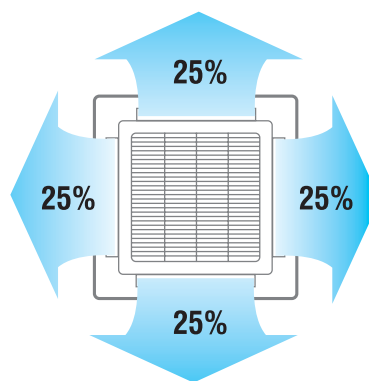
- 24-Hour ON/ OFF Timer in 1 hour intervals
- TEST RUN Mode
- Self-Diagnosis function
- 3-Step Fan Speed selection
- Operation Indication
- Room Temperature Display
- Only 20mm thick

Option  
- Wireless  
Remote  
controller



## Optimal Air Distribution

- Optimal air distribution with 4-way directional Air flow system.
- 4-way Auto Swing



## ceiling cassette type

**UT12 / UT18 / UT24 / UT30**  
**UT36 / UT48 / UT60**

- Plasma Air Purifying System
- Anti Corrosion Gold Fin (Outdoor)
- Weekly Program • Turbo Fan
- High Head Drain Pump • Auto Changeover
- Low Standby Power • Auto Restart
- Central Controller (Accessory) • Child Lock Function
- Easy-to-Clean Air Filter • Two Thermistor Control
- Optimal Air Distribution

**Specification**

| Model                   | Indoor Unit Grille |                      | UT12 NEC<br>PT-HEC | UT18 NEC<br>PT-HEC | UT24 NFC<br>PT-HFC | UT30 NFC<br>PT-HFC | UT36 NDC<br>PT-HDC | UT48 NDC<br>PT-HDC | UT60 NDC<br>PT-HDC |
|-------------------------|--------------------|----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Nominal Capacity        | Cooling            | kW                   | 3.5                | 5.3                | 7                  | 8.8                | 10.6               | 14.1               | 15.8               |
| Capacity (UK)           | Cooling            | kW                   | 3.1                | 4.7                | 6.2                | 7.8                | 9.3                | 12.4               | 14.0               |
| Nominal Capacity (T1)   | Heating            | kW                   | 4                  | 5.8                | 7.7                | 9.7                | 11.6               | 15.5               | 17.4               |
| Power Supply to Unit    | V/Phase/Hz         |                      | 240/1/50           | 240/1/50           | 240/1/50           | 240/1/50           | 415/3/50           | 415/3/50           | 415/3/50           |
| Power supply to         |                    |                      | Outdoor            | Outdoor            | Outdoor            | Outdoor            | Outdoor            | Outdoor            | Outdoor            |
| Inter connecting Cables |                    |                      | 4 * 5A             | 4 * 5A             | 4 * 5A             | 4 * 5A             | 4 * 5A             | 4 * 5A             | 4 * 5A             |
| cores and rating        | No. Amps           |                      |                    |                    |                    |                    |                    |                    |                    |
| Air Circulation         | Indoor             | (m3/min)             | 9.5                | 13                 | 15                 | 19                 | 25                 | 30                 | 34.0               |
| Sound Levels            | Indoor             | dB(A) +/-3 (at 1.0m) | 38                 | 41                 | 43                 | 45                 | 40                 | 43                 | 50                 |
| Indoor Units            | WxHxD              | (mm)                 | 570 x 269 x 570    | 570 x 269 x 570    | 744 x 292 x 744    | 744 x 292 x 744    | 840 x 288 x 840    | 840 x 288 x 840    | 840 x 288 x 840    |
| Panel Section           | WxHxD              | (mm)                 | 670 x 30 x 670     | 670 x 30 x 670     | 850 x 30 x 850     | 850 x 30 x 850     | 950 x 30 x 950     | 950 x 30 x 950     | 950 x 30 x 950     |
| Indoor Units            |                    | (Kg)                 | 19                 | 19                 | 24                 | 24                 | 32                 | 32                 | 32                 |
| Liquid                  |                    | (Inch)               | 1/4                | 1/4                | 1/4                | 1/4                | 1/4                | 3/8                | 3/8                |
| Suction                 |                    | (Inch)               | 3/8                | 1/2                | 1/2                | 5/8                | 5/8                | 3/4                | 3/4                |
| Drain (ID)              |                    | (mm)                 | 32                 | 32                 | 32                 | 32                 | 32                 | 32                 | 32.0               |

**T1 Condition:** Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb  
 Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb  
**UK Condition:** Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

Note: Due to our policy of innovation some specifications may be changed without notification.

# ceiling concealed duct type

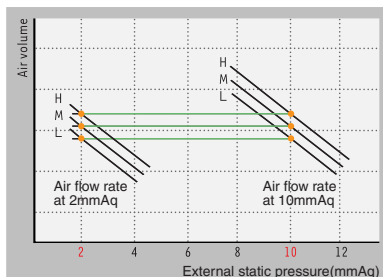
Hidden in the ceiling, this product is suitable for applications that require floor level or individual level air conditioning for buildings where there are many rooms or halls, such as restaurants, concert halls and hotels. Installation is not hindered by the location of lighting fixtures or room structure, and interior renovation is made easy with the installation of various ventilation diffusers.



## E.S.P: External Static Pressure

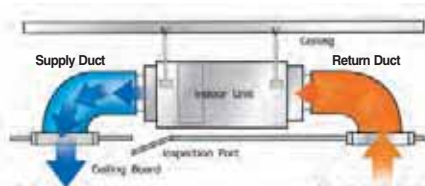
Desired Air flowrate is obtained by controlling the phase of motor while installing the product this makes your duct work system flexible.

\*E.S.P is easily controlled by remote controller.



## Quiet Operation & Easy Service

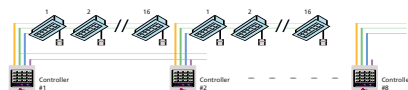
This product will guarantee you lower sound level and less service expenses.



## Central Controller Operation Summary

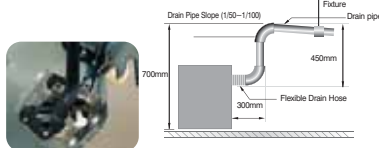
LG units come with advanced control options, take for instance the Central Controller. Designed for the commercial application, where multiple Air Conditioning units have been installed.

You can control or fault find up to 2048 Air Conditioning units (via 8 separate controllers) individually or all together.



## High Head Drain Pump

A standard drain-head height of up to 700mm is possible, creating the ideal solution for perfect water drainage.



## Weekly Program

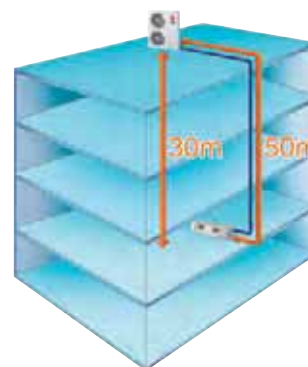
- LCD Wired Remote Controller
- 24-Hour ON/ OFF Timer in 1 hour intervals
- TEST RUN Mode
- Self-Diagnosis function
- 3-Step Fan Speed selection
- Operation Indication
- Room Temperature Display
- Only 20mm thick

Option  
-Wireless Remote controller



## Long Distance, High Elevation Piping

Our LG Air Conditioners (Cassette and Concealed duct model) can be installed (Max 50m) apart with up to 30m level difference.



# ceiling concealed duct type

## UB18 / UB24 / UB30 UB36 / UB48 / UB60

- Weekly Program
- Auto Changeover
- Two Thermistor Control
- Group Control
- 24-Hour ON/OFF
- Child Lock Function
- Auto Restart
- Hot Start (Heat pump Model)
- Anti Corrosion Gold Fin (Outdoor)
- Zone Control (Accessory)
- Central controller (Accessory)



## Specification

| Model                   | Indoor Unit<br>Outdoor Unit |                      | UB18 NHC        | UB24 NHC      | UB30 NGC         | UB36 NGC         | UB48 NGC         | UB60 NRC       |
|-------------------------|-----------------------------|----------------------|-----------------|---------------|------------------|------------------|------------------|----------------|
| Nominal Capacity        | Cooling                     | kW                   | 5.3             | 7             | 9.4              | 10.6             | 14.1             | 15.8           |
| Capacity (UK)           | Cooling                     | kW                   | 4.7             | 6.2           | 8.3              | 9.3              | 12.4             | 14             |
| Nominal Capacity (T1)   | Heating                     | kW                   | 5.8             | 7.7           | 10.3             | 11.6             | 15.5             | 17.4           |
| Power Supply to Unit    |                             | V/Phase/Hz           | 240/1/50        | 240/1/50      | 240/1/50         | 415/3/50         | 415/3/50         | 415/3/50       |
| Power supply to         |                             |                      | Outdoor         | Outdoor       | Outdoor          | Outdoor          | Outdoor          | Outdoor        |
| Inter connecting Cables |                             |                      | 4 * 5A          | 4 * 5A        | 4 * 5A           | 4 * 5A           | 4 * 5A           | 4 * 5A         |
| cores and rating        |                             | No. Amps             |                 |               |                  |                  |                  |                |
| Air Circulation         | Indoor                      | (m3/min)             | 16.5            | 18            | 26.5             | 32               | 40               | 50             |
| Sound Levels            | Indoor                      | dB(A) +/-3 (at 1.0m) | 36              | 38            | 38               | 42               | 44               | 46             |
| Indoor Units            | WxHxD                       | (mm)                 | 880 x 260 x 450 | 880 x 260 450 | 1180 x 298 x 450 | 1180 x 298 x 450 | 1230 x 380 x 590 | 1230 x 380 590 |
| Panel Section           | WxHxD                       | (mm)                 | N/A             | N/A           | N/A              | N/A              | N/A              | N/A            |
| Indoor Units            |                             | (Kg)                 | 35              | 35            | 38               | 38               | 60               | 60             |
| Liquid                  |                             | (Inch)               | 1/4             | 1/4           | 1/4              | 1/4              | 3/8              | 3/8            |
| Suction                 |                             | (Inch)               | 1/2             | 1/2           | 5/8              | 5/8              | 3/4              | 3/4            |
| Drain (ID)              |                             | (mm)                 | 32              | 32            | 32               | 32               | 32               | 32             |

**T1 Condition:** Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb  
 Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb  
**UK Condition:** Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

Note: Due to our policy of innovation some specifications may be changed without notification.



# ceiling and floor / ceiling suspended type

Floor / Ceiling Convertible System has the flexibility of multiple installations. The Indoor Unit can easily be mounted on the floor or suspended from the ceiling. The Convertible System features Gold Fin protection on the Outdoor Unit & Energy Saving Plasma Heat Exchanger in the Indoor Unit.

## Upgraded Function



- One Touch Filter & Filter Cleaning Alarm Function
- Power Mode
- Wired Remote Controller (Option)
  - Weekly Program
  - Group control. etc



## Gold Fin™ Anti Corrosion

LG's Outdoor Heat Exchanger is coated with a golden anti-corrosive epoxy treatment on the aluminum coil to minimise corrosion. This maintains heat transfer properties of the coil for an extended time where as non-Gold Fin coils progressively lose efficiency due to surface corrosion. Standard on every LG air conditioner, this assists in areas suffering from pollution or near the ocean where the unit may be subjected to higher levels of salt.

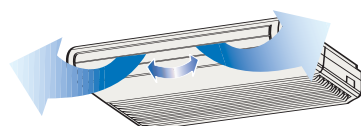


[Test Standard : ASTM B-117, KS D9502]

## Airflow Direction Control

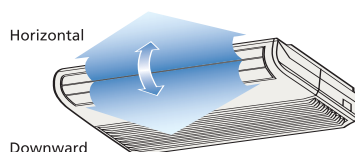
### Horizontal Airflow Direction Control.

Adjust the horizontal airflow direction by manually moving the horizontal airflow direction louver by hand.



### Vertical Airflow Direction Control

The airflow direction can be adjusted as desired by using the remote controller.



## Compact Size



- 900 x 200 x 490 (12K)



- 1200 x 205 x 615 (18, 24 and 30K)



## UV12 / UV18 UV24 / UV30

- Anti Corrosion Gold Fin
- Natural Wind Operation
- Wireless Remote Controller
- Sleep Operation
- Auto Changeover
- Soft Dry Operation
- 24-Hour ON/OFF Setting Timer
- Auto Restart



### Specification

| Model                                       | Indoor Unit<br>Outdoor Unit |                      | UV12 NEC        | UV18 NBC         | UV24 NBC         | UV30 NBC         | UV48 NLC         | UV60 NLC         |
|---|-----------------------------|----------------------|-----------------|------------------|------------------|------------------|------------------|------------------|
| Nominal Capacity                            | Cooling                     | kW                   | 3.5             | 5.3              | 7                | 8.8              | 14.1             | 15.2             |
| Capacity (UK)                               | Cooling                     | kW                   | 3.1             | 4.6              | 6.2              | 7.2              | 12.4             | 13.5             |
| Nominal Capacity (T1)                       | Heating                     | kW                   | 4               | 5.8              | 7.7              | 9.4              | 15.5             | 17.6             |
| Power Supply to Unit                        |                             | V/Phase/Hz           | 240/1/50        | 240/1/50         | 240/1/50         | 240/1/50         | 415/3/50         | 415/3/50         |
| Power supply to                             |                             |                      | Outdoor         | Outdoor          | Outdoor          | Outdoor          | Outdoor          | Outdoor          |
| Inter connecting Cables<br>cores and rating |                             | No. Amps             | 4 * 5A          | 4 * 5A           | 4 * 5A           | 4 * 5A           | 4 * 5A           | 4 * 5A           |
| Air Circulation                             | Indoor                      | (m3/min)             | 10              | 13.5             | 15               | 18               | 36.0             | 40.0             |
| Sound Levels                                | Indoor                      | dB(A) +/-3 (at 1.0m) | 40              | 43               | 45               | 45               | 54               | 56               |
| Indoor Units                                | WxHxD                       | (mm)                 | 900 x 200 x 490 | 1200 x 205 x 615 | 1200 x 205 x 615 | 1200 x 205 x 615 | 1750 x 220 x 630 | 1750 x 220 x 630 |
| Panel Section                               | WxHxD                       | (mm)                 | N/A             | N/A              | N/A              | N/A              | N/A              | N/A              |
| Indoor Units                                |                             | (Kg)                 | 12              | 30               | 30               | 30               | 45               | 45               |
| Liquid                                      |                             | (Inch)               | 1/4             | 1/4              | 1/4              | 1/4              | 3/8              | 3/8              |
| Suction                                     |                             | (Inch)               | 3/8             | 1/2              | 1/2              | 5/8              | 3/4              | 3/4              |
| Drain (ID)                                  |                             | (mm)                 | 20              | 20               | 20               | 20               | 20.0             | 20.0             |

**T1 Condition:** Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb  
 Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb  
**UK Condition:** Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

Note: Due to our policy of innovation some specifications may be changed without notification.  
 Note: UV48 and 60NLC can NOT be used with 1 phase inverter condensers or Synchro systems.

# fixed speed condensers

**UU12 / UU18**  
**UU24 / UU30**  
**UU37 / UU48**  
**UU60**

- Anti Corrosion Gold Fin • Natural Wind Operation
- Wireless Remote Controller • Sleep Operation
- Auto Changeover • Soft Dry Operation
- 24-Hour ON/OFF Setting Timer • Auto Restart



## Specification

| Model                          | Indoor Unit | Outdoor Unit         | UU12ULC         | UU18UEC         | UU24UEC         | UU30UEC         | UU37UEC          | UU48UHC          | UU60UHB          |
|--------------------------------|-------------|----------------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|
| Nominal Capacity               | Cooling     | kW                   | 3.5             | 5.3             | 7               | 8.8             | 10.6             | 14.1             | 15.8             |
| Capacity (UK)                  | Cooling     | kW                   | 3.1             | 4.7             | 6.2             | 7.8             | 9.3              | 12.4             | 14               |
| Nominal Capacity (T1)          | Heating     | kW                   | 4               | 5.8             | 7.7             | 9.7             | 11.6             | 15.5             | 17.4             |
| Power Supply to Unit           | V/Phase/Hz  |                      | 240/1/50        | 240/1/50        | 240/1/50        | 240/1/50        | 415/3/50         | 415/3/50         | 415/3/50         |
| Power supply to                | Outdoor     |                      | Outdoor         | Outdoor         | Outdoor         | Outdoor         | Outdoor          | Outdoor          | Outdoor          |
| Inter connecting Cables        | No. Amps    |                      | 4 * 5A          | 4 * 5A          | 4 * 5A          | 4 * 5A          | 4 * 5A           | 4 * 5A           | 4 * 5A           |
| cores and rating               |             |                      |                 |                 |                 |                 |                  |                  |                  |
| Running Current                | Cooling     | Amps                 | 6.5             | 9               | 12              | 19.2            | 7.9              | 12.7             | 13.5             |
|                                | Heating     | Amps                 | 6.6             | 9.9             | 13.1            | 19.5            | 7.1              | 11.7             | 13.8             |
| Power Input                    | Cooling     | kW                   | 1.3             | 1.9             | 2.5             | 4               | 4.1              | 5.8              | 6.6              |
|                                | Heating     | kW                   | 1.4             | 2.1             | 2.8             | 4               | 3.6              | 5.5              | 6.7              |
| Start Current                  | Cooling     | Amps                 | 24              | 35              | 62              | 35              | 18               | 42               | 63               |
|                                | Heating     | Amps                 | 24              | 35              | 62              | 35              | 18               | 42               | 63               |
| Circuit Breaker                | Amps        |                      | 16              | 16              | 20              | 32              | 20               | 20               | 32               |
| T1 EER                         | Cool        | (W/W)                | 2.7             | 2.8             | 2.8             | 2.2             | 2.6              | 2.4              | 2.4              |
| T1 COP                         | Heat        | (W/W)                | 2.9             | 2.8             | 2.8             | 2.4             | 3.2              | 2.8              | 2.6              |
| ECA compliant                  | n           |                      | n               | n               | n               | n               | n                | n                | n                |
| Air Circulation                | Outdoor     | (m3/min)             | 26              | 58              | 58              | 53              | 64               | 106              | 106              |
| Sound Levels                   | Outdoor     | dB(A) +/-3 (at 1.0m) | 47              | 52              | 52              | 53              | 52               | 57               | 57               |
| Outdoor Units                  | WxHxD       | (mm)                 | 770 x 540 x 245 | 870 x 655 x 320 | 870 x 808 x 320 | 870 x 808 x 320 | 870 x 1060 x 320 | 900 x 1165 x 370 | 900 x 1165 x 370 |
| Outdoor Units                  | (Kg)        |                      | 31              | 52              | 60              | 64              | 80               | 105              | 93               |
| Liquid                         | (Inch)      |                      | 1/4             | 1/4             | 1/4             | 1/4             | 1/4              | 3/8              | 3/8              |
| Suction                        | (Inch)      |                      | 3/8             | 1/2             | 1/2             | 5/8             | 5/8              | 3/4              | 3/4              |
| Drain (ID)                     | (mm)        |                      | 32              | 32              | 32              | 32              | 32               | 32               | 32               |
| Maximum Elevation              | (m)         |                      | 10              | 30              | 30              | 30              | 30               | 30               | 30               |
| Max. Distance between In & Out | (m)         |                      | 15              | 50              | 50              | 50              | 50               | 50               | 50               |
| Factory charge                 | (Kg)        |                      | 1.2             | 1.3             | 1.95            | 2.1             | 2.6              | 4.2              | 4.7              |
| Charged for — m                | (m)         |                      | 7.5             | 7.5             | 7.5             | 7.5             | 7.5              | 30               | 30               |
| Additional g/m                 | (g/m)       |                      | 20              | 35              | 35              | 35              | 40               | 70               | 80               |

**T1 Condition:** Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb  
 Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb  
**UK Condition:** Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

Note: Due to our policy of innovation some specifications may be changed without notification.



# inverter condensers

**UU12W / UU18W**  
**UU24W / UU30W**  
**UU36W / UU48W**  
**UU60W**

- Anti Corrosion Gold Fin
- Natural Wind Operation
- Wireless Remote Controller
- Sleep Operation
- Auto Changeover
- Soft Dry Operation
- 24-Hour ON/OFF Setting Timer
- Auto Restart



## Specification

| Model                          | Indoor Unit | Outdoor Unit         | UU12W-UEB       | UU18W-UEB       | UU24W-UEB       | UU30W-UEB        | UU36WUEB         | UU48WUYB         | UU60WUYB         |
|--------------------------------|-------------|----------------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|
| Nominal Capacity               | Cooling     | kW                   | 3.5             | 5.3             | 7               | 7.7              | 10.6             | 14.1             | 16.4             |
| Capacity (UK)                  | Cooling     | kW                   | 3.3             | 5               | 6.6             | 7.3              | 10               | 13.3             | 15.4             |
| Nominal Capacity (T1)          | Heating     | kW                   | 4               | 6               | 8.1             | 8.9              | 12.2             | 16.1             | 18.9             |
| Power Supply to Unit           |             | V/Phase/Hz           | 240/1/50        | 240/1/50        | 240/1/50        | 240/1/50         | 240/1/50         | 240/1/50         | 240/1/50         |
| Power supply to                |             | Outdoor              | Outdoor         | Outdoor         | Outdoor         | Outdoor          | Outdoor          | Outdoor          | Outdoor          |
| Inter connecting Cables        |             | 4 * 5A               | 4 * 5A          | 4 * 5A          | 4 * 5A          | 4 * 5A           | 4 * 5A           | 4 * 5A           | 4 * 5A           |
| cores and rating               |             | No. Amps             |                 |                 |                 |                  |                  |                  |                  |
| Running Current                | Cooling     | Amps                 | 7.1             | 8.1             | 13.8            | 13.6             | 20.9             | 26.6             | 31.3             |
|                                | Heating     | Amps                 | 6.5             | 11.2            | 14.3            | 20.3             | 23.1             | 27.3             | 35.5             |
| Power Input                    | Cooling     | kW                   | 1.1             | 1.6             | 2.2             | 2.4              | 3.3              | 4.9              | 5.8              |
|                                | Heating     | kW                   | 1.1             | 1.7             | 2.2             | 2.4              | 3.3              | 5                | 6.6              |
| Start Current                  | Cooling     | Amps                 | 17              | 17              | 31              | 35               | 67               | 43               | 74               |
|                                | Heating     | Amps                 | 17              | 17              | 31              | 35               | 67               | 43               | 74               |
| Circuit Breaker                |             | Amps                 | 16              | 16              | 20              | 20               | 32               | 50               | 63               |
| T1 EER                         | Cool        | (W/W)                | 3.2             | 3.3             | 3.2             | 3.2              | 3.2              | 2.9              | 2.8              |
| T1 COP                         | Heat        | (W/W)                | 3.6             | 3.5             | 3.7             | 3.7              | 3.3              | 2.9              | 2.4              |
| ECA compliant                  |             |                      | y               | y               | y               | y                | n                | n                | n                |
| Air Circulation                | Outdoor     | (m3/min)             | 50              | 50              | 51              | 64               | 53               | 90               | 90               |
| Sound Levels                   | Outdoor     | dB(A) +/-3 (at 1.0m) | 51              | 51              | 52              | 50               | 58               | 59               | 59               |
| Outdoor Units                  | WxHxD       | (mm)                 | 870 x 655 x 320 | 870 x 655 x 320 | 870 x 808 x 320 | 870 x 1060 x 320 | 900 x 1165 x 370 | 806 x 1507 x 690 | 806 x 1507 x 690 |
| Outdoor Units                  |             | (Kg)                 | 46              | 52              | 69              | 80               | 105              | 142              | 148              |
| Liquid                         |             | (Inch)               | 1/4             | 1/4             | 1/4             | 1/4              | 1/4              | 3/8              | 3/8              |
| Suction                        |             | (Inch)               | 3/8             | 1/2             | 1/2             | 5/8              | 5/8              | 3/4              | 3/4              |
| Drain (ID)                     |             | (mm)                 | 20              | 20              | 20              | 20               |                  |                  |                  |
| Maximum Elevation              |             | (m)                  | 10              | 30              | 30              | 30               | 30               | 30               | 30               |
| Max. Distance between In & Out |             | (m)                  | 15              | 40              | 50              | 50               | 50               | 70               | 70               |
| Factory charge                 |             | (Kg)                 | 1.1             | 1.5             | 1.75            | 2.1              | 3.5              | 7.1              | 7.1              |
| Charged for — m                |             | (m)                  | 7.5             | 7.5             | 7.5             | 7.5              | 7.5              | 30               | 30               |
| Additional g/m                 |             | (g/m)                | 20              | 25              | 30              | 35               | 35               | 50               | 50               |

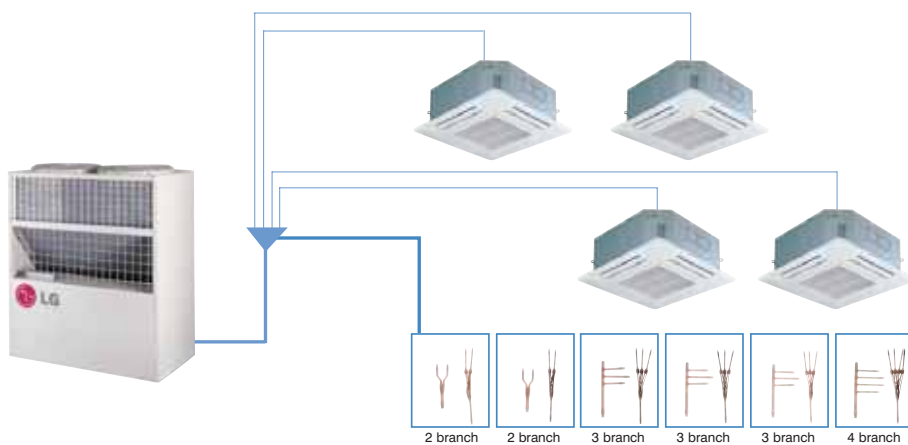
**T1 Condition:** Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb  
 Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb  
**UK Condition:** Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

Note: Due to our policy of innovation some specifications may be changed without notification.

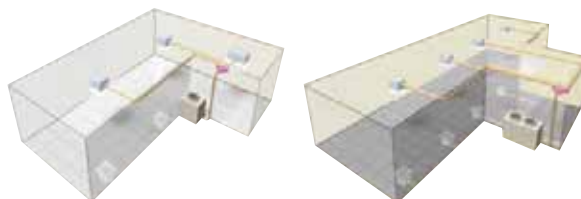
# synchro

- Simultaneously On/Off (1 Cycle)
- Connectable up to 4 indoor units

- Using simple branch piping
- MPS Inverter : 48/60K Btu/h
- MPS Variable : 48/72/100K Btu/h



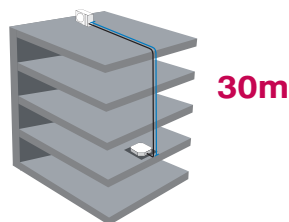
- Easy Installation : Chargeless 30 m (MPS Inverter : 48/60K)
- High Efficiency & Low Noise
  - MPS Inverter / Variable technology is applied
- Right for Various shape of Open Space (L,T shape)



- Choice of various indoor type



- Long piping length and high elevation
  - Max. piping length: 110m
  - Max. elevation: 30m (\*based on 100k Btu/h)



## synchro (fixed speed)

## UU48 / UU72 / UU100

heat pump



(UU48)



(UU72)



(UU100)

## Specification

| Model                          | Indoor Unit | Outdoor Unit         | UU48 UHC         | UU72 UYC     | UU100 UWC     |
|--------------------------------|-------------|----------------------|------------------|--------------|---------------|
| Nominal Capacity               | Cooling     | kW                   | 14.1             | *            | *             |
| Capacity (UK)                  | Cooling     | kW                   | 12.4             | *            | *             |
| Nominal Capacity (T1)          | Heating     | kW                   | 15.5             | *            | *             |
| Power Supply to Unit           |             | V/Phase/Hz           | 415/3/50         | 415/3/50     | 415/3/50      |
| Power supply to                |             |                      | Outdoor          | Outdoor      | Outdoor       |
| Inter connecting Cables        |             |                      | 4 * 5A           | 4 * 5A       | 4 * 5A        |
| cores and rating               |             | No. Amps             |                  |              |               |
| Running Current                | Cooling     | Amps                 | 12.7             | 14.7         | 20            |
|                                | Heating     | Amps                 | 11.7             | 14.4         | 19.7          |
| Power Input                    | Cooling     | kW                   | 5.8              | *            | *             |
|                                | Heating     | kW                   | 5.5              | *            | *             |
| Start Current                  | Cooling     | Amps                 | 42               |              |               |
|                                | Heating     | Amps                 | 42               |              |               |
| Circuit Breaker                |             | Amps                 | 20               | 32           | 50            |
| T1 EER                         | Cool        | (W/W)                | 2.4              | *            | *             |
| T1 COP                         | Heat        | (W/W)                | 2.8              | *            | *             |
| ECA compliant                  |             |                      | n                | n            | n             |
| Air Circulation (High Speed)   | Outdoor     | (m3/min)             | 106              | 90           | 185           |
| Sound Levels (High Speed)      | Outdoor     | dB(A) +/-3 (at 1.0m) | 57               | 58           | 60            |
| Outdoor Units                  | WxHxD       | (mm)                 | 900 x 1165 x 370 | 806x1507x690 | 1280x1555x690 |
| Outdoor Units                  |             | (Kg)                 | 105              | 150          | 299           |
| Liquid                         |             | (Inch)               | 3/8              | 3/8          | 1/2           |
| Suction                        |             | (Inch)               | 3/4              | 1            | 1             |
| Maximum Elevation              |             | (m)                  | 30               | 30           | 30            |
| Max. Distance between In & Out |             | (m)                  | 50               | 110          | 110           |
| Factory charge                 |             | (Kg)                 | 4.2              | 7.1          | 7.8           |
| Charged for — m                |             | (m)                  | 30               | *            | *             |
| Additional g/m                 |             | (g/m)                | 70               | *            | *             |

**T1 Condition:** Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb  
 Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb  
**UK Condition:** Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

Note: Due to our policy of innovation some specifications may be changed without notification.

# synchro (inverter)

## UU48W / UU60W

DC inverter



synchro

### Specification

| Model                          | Indoor Unit | Outdoor Unit         | UU48W UYB    | UU60W UYB    |
|--------------------------------|-------------|----------------------|--------------|--------------|
| Nominal Capacity               | Cooling     | kW                   | 14.1         | 16.4         |
| Capacity (UK)                  | Cooling     | kW                   | 13.3         | 15.4         |
| Nominal Capacity (T1)          | Heating     | kW                   | 16.1         | 18.9         |
| Power Supply to Unit           |             | V/Phase/Hz           | 240/1/50     | 240/1/50     |
| Power supply to                |             |                      | Outdoor      | Outdoor      |
| Inter connecting Cables        |             |                      | 4 * 5A       | 4 * 5A       |
| cores and rating               |             | No. Amps             |              |              |
| Running Current                | Cooling     | Amps                 | 26.6         | 31.3         |
|                                | Heating     | Amps                 | 27.3         | 35.5         |
| Power Input                    | Cooling     | kW                   | 4.9          | 5.8          |
|                                | Heating     | kW                   | 5            | 6.6          |
| Start Current                  | Cooling     | Amps                 | 43           | 74           |
|                                | Heating     | Amps                 | 43           | 74           |
| Circuit Breaker                |             | Amps                 | 50           | 63           |
| T1 EER                         | Cool        | (W/W)                | 2.9          | 2.8          |
| T1 COP                         | Heat        | (W/W)                | 2.9          | 2.4          |
| ECA compliant                  |             |                      | n            | n            |
| Air Circulation (High Speed)   | Outdoor     | (m3/min)             | 90           | 90           |
| Sound Levels (High Speed)      | Outdoor     | dB(A) +/-3 (at 1.0m) | 59           | 59           |
| Outdoor Units                  | WxHxD       | (mm)                 | 806x1507x690 | 806x1507x690 |
| Outdoor Units                  |             | (Kg)                 | 142          | 148          |
| Liquid                         |             | (Inch)               | 3/8          | 3/8          |
| Suction                        |             | (Inch)               | 3/4          | 3/4          |
| Maximum Elevation              |             | (m)                  | 30           | 30           |
| Max. Distance between In & Out |             | (m)                  | 70           | 70           |
| Factory charge                 |             | (Kg)                 | 7.1          | 7.1          |
| Charged for — m                |             | (m)                  | 30           | 30           |
| Additional g/m                 |             | (g/m)                | 50           | 50           |

**T1 Condition:** Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb  
 Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb  
**UK Condition:** Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

Note: Due to our policy of innovation some specifications may be changed without notification.

# synchro combination table

## UU48 UHC

| Type    | Combination of Indoor Units (k Btu/h) |       | Cooling Capacity |       | Current (A) | Input (W) |
|---------|---------------------------------------|-------|------------------|-------|-------------|-----------|
|         |                                       |       | Rating           |       |             |           |
|         | Possibility                           | Total | Btu/h            | kW    |             |           |
| DUO     | 18+24                                 | 42    | 42,000           | 12.31 | 10          | 5.3       |
|         | 24+24                                 | 48    | 48,000           | 14.07 | 10          | 5.3       |
|         | 24+30                                 | 54    | 48,000           | 14.07 | 10          | 5.3       |
| TRIO    | 18+18+18                              | 54    | 48,000           | 14.07 | 10          | 5.3       |
| QUARTET | 12+12+12+12                           | 48    | 48,000           | 14.07 | 10          | 5.3       |

| Type    | Combination of Indoor Units (k Btu/h) |       | Heating Capacity |      | Current (A) | Input (W) |
|---------|---------------------------------------|-------|------------------|------|-------------|-----------|
|         |                                       |       | Rating           |      |             |           |
|         | Possibility                           | Total | Btu/h            | kW   |             |           |
| DUO     | 18+24                                 | 42    | 47,000           | 13.9 | 9.5         | 5.05      |
|         | 24+24                                 | 48    | 52,800           | 15.5 | 9.5         | 5.05      |
|         | 24+30                                 | 54    | 52,800           | 15.5 | 9.5         | 5.05      |
| TRIO    | 18+18+18                              | 54    | 52,800           | 15.5 | 9.5         | 5.05      |
| QUARTET | 12+12+12+12                           | 48    | 52,800           | 15.5 | 9.5         | 5.05      |

## UU72 UYC

| Type    | Combination of Indoor Units (1K Btu/h) |       | Cooling Capacity |      |             |             | Heating Capacity |      |           |
|---------|--|-------|------------------|------|-------------|-------------|------------------|------|-----------|
|         |  |       | Rating           |      | Current (A) | Current (A) | Rating           |      | Input (W) |
|         | Possibility                            | Total | Btu/h            | kW   |             |             | Btu/h            | kW   |           |
| DUO     | 30+36                                  | 66    | 66,000           | 19.3 | 14.7        | 8.0         | 72,200           | 22.6 | 14.4      |
|         | 36+36                                  | 72    | 72,000           | 21.1 | 14.7        | 8.0         | 79,200           | 23.2 | 14.4      |
| TRIO    | 18+24+24                               | 62    | 72,000           | 21.1 | 14.7        | 8.0         | 79,200           | 23.2 | 14.4      |
|         | 18+18+36                               | 72    | 72,000           | 21.1 | 14.7        | 8.0         | 79,200           | 23.2 | 14.4      |
|         | 24+24+24                               | 72    | 72,000           | 21.1 | 14.7        | 8.0         | 79,200           | 23.2 | 14.4      |
|         | 24+24+30                               | 78    | 72,000           | 21.1 | 14.7        | 8.0         | 79,200           | 23.2 | 14.4      |
| QUARTET | 18+18+18+18                            | 64    | 72,000           | 21.1 | 14.7        | 8.0         | 79,200           | 23.2 | 14.4      |

## UU100 UWC

| Type    | Combination of Indoor Units (1K Btu/h) |       | Cooling Capacity |      |             |           | Heating Capacity |      |           |
|---------|--|-------|------------------|------|-------------|-----------|------------------|------|-----------|
|         |  |       | Rating           |      | Current (A) | Input (W) | Rating           |      | Input (W) |
|         | Possibility                            | Total | Btu/h            | kW   |             |           | Btu/h            | kW   |           |
| DUO     | 36+48                                  | 84    | 84,000           | 24.6 | 20          | 11.1      | 96,600           | 28.3 | 19.7      |
|         | 36+60                                  | 96    | 96,000           | 28.1 | 20          | 11.1      | 110,400          | 32.4 | 19.7      |
|         | 48+48                                  | 96    | 96,000           | 28.1 | 20          | 11.1      | 110,400          | 32.4 | 19.7      |
| TRIO    | 24+24+36                               | 84    | 84,000           | 24.6 | 20          | 11.1      | 96,600           | 28.3 | 19.7      |
|         | 24+30+30                               | 84    | 84,000           | 24.6 | 20          | 11.1      | 96,600           | 28.3 | 19.7      |
|         | 30+30+30                               | 90    | 90,000           | 26.4 | 20          | 11.1      | 103,500          | 30.3 | 19.7      |
|         | 30+30+36                               | 96    | 96,000           | 28.1 | 20          | 11.1      | 110,400          | 32.4 | 19.7      |
|         | 30+36+36                               | 102   | 102,000          | 29.9 | 20          | 11.1      | 117,300          | 34.4 | 19.7      |
| QUARTET | 24+24+24+24                            | 96    | 96,000           | 28.1 | 20          | 11.1      | 110,400          | 28.1 | 19.7      |

# synchro combination table

## UU48W UYB

| Type    | Combination of Indoor Units (k Btu/h) |       | Cooling Capacity |     |        |       |        |       | Current (A) |        |      | Input (W) |        |       |
|---------|---------------------------------------|-------|------------------|-----|--------|-------|--------|-------|-------------|--------|------|-----------|--------|-------|
|         |                                       |       | Min              |     | Rating |       | Max    |       |             |        |      |           |        |       |
|         | Possibility                           | Total | Btu/h            | kw  | Btu/h  | kW    | Btu/h  | kW    | Min         | Rating | Max  | Min       | Rating | Max   |
| DUO     | 18+24                                 | 42    | 16,325           | 4.8 | 42,000 | 12.31 | 48,300 | 14.16 | 8.5         | 19.3   | 22.2 | 1,897     | 4,312  | 4,959 |
|         | 24+24                                 | 48    | 18,657           | 5.5 | 48,000 | 14.07 | 55,200 | 16.18 | 9.7         | 22.0   | 24.7 | 2,155     | 4,751  | 5,500 |
|         | 24+30                                 | 54    | 18,657           | 5.5 | 48,000 | 14.07 | 55,200 | 16.18 | 9.8         | 22.2   | 25.1 | 2,179     | 4,951  | 5,590 |
| TRIO    | 18+18+18                              | 54    | 18,657           | 5.5 | 48,000 | 14.07 | 55,200 | 16.18 | 9.8         | 22.2   | 25.1 | 2,179     | 4,951  | 5,590 |
| QUARTET | 12+12+12+12                           | 48    | 18,657           | 5.5 | 48,000 | 14.07 | 55,200 | 16.18 | 9.7         | 22.0   | 24.7 | 2,155     | 4,751  | 5,500 |

| Type    | Combination of Indoor Units (k Btu/h) |       | Heating Capacity |     |        |       |        |       | Current (A) |        |      | Input (W) |        |       |
|---------|---------------------------------------|-------|------------------|-----|--------|-------|--------|-------|-------------|--------|------|-----------|--------|-------|
|         |                                       |       | Min              |     | Rating |       | Max    |       |             |        |      |           |        |       |
|         | Possibility                           | Total | Btu/h            | kw  | Btu/h  | kW    | Btu/h  | kW    | Min         | Rating | Max  | Min       | Rating | Max   |
| DUO     | 18+24                                 | 42    | 18,773           | 5.5 | 48,300 | 14.16 | 55,545 | 16.28 | 8.6         | 19.5   | 22.5 | 1,919     | 4,361  | 5,015 |
|         | 24+24                                 | 48    | 21,455           | 6.3 | 55,200 | 16.18 | 63,480 | 18.60 | 9.9         | 22.6   | 25.5 | 2,219     | 5,044  | 5,700 |
|         | 24+30                                 | 54    | 21,455           | 6.3 | 55,200 | 16.18 | 63,480 | 18.60 | 10.0        | 22.8   | 26.0 | 2,236     | 5,081  | 5,820 |
| TRIO    | 18+18+18                              | 54    | 21,455           | 6.3 | 55,200 | 16.18 | 63,480 | 18.60 | 10.0        | 22.8   | 26.0 | 2,236     | 5,081  | 5,820 |
| QUARTET | 12+12+12+12                           | 48    | 21,455           | 6.3 | 55,200 | 16.18 | 63,480 | 18.60 | 9.9         | 22.6   | 25.5 | 2,219     | 5,044  | 5,700 |

## UU60W UYB

| Type    | Combination of Indoor Units (k Btu/h) |       | Cooling Capacity |     |        |       |        |       | Current (A) |        |      | Input (W) |        |       |
|---------|---------------------------------------|-------|------------------|-----|--------|-------|--------|-------|-------------|--------|------|-----------|--------|-------|
|         |                                       |       | Min              |     | Rating |       | Max    |       |             |        |      |           |        |       |
|         | Possibility                           | Total | Btu/h            | kw  | Btu/h  | kW    | Btu/h  | kW    | Min         | Rating | Max  | Min       | Rating | Max   |
| DUO     | 24+30                                 | 54    | 20,989           | 6.2 | 54,000 | 15.83 | 62,100 | 18.20 | 11.0        | 25.0   | 28.8 | 2,454     | 5,578  | 6,415 |
|         | 24+36                                 | 60    | 21,766           | 6.4 | 56,000 | 16.41 | 64,400 | 18.87 | 11.5        | 26.1   | 29.5 | 2,566     | 5,832  | 6,620 |
|         | 30+30                                 | 60    | 21,766           | 6.4 | 56,000 | 16.41 | 64,400 | 18.87 | 11.5        | 26.1   | 29.5 | 2,566     | 5,832  | 6,620 |
| TRIO    | 18+18+18                              | 54    | 20,989           | 6.2 | 54,000 | 15.83 | 62,100 | 18.20 | 11.0        | 25.0   | 28.8 | 2,454     | 5,578  | 6,415 |
|         | 18+18+24                              | 60    | 21,766           | 6.4 | 56,000 | 16.41 | 64,400 | 18.87 | 11.5        | 26.1   | 29.5 | 2,566     | 5,832  | 6,620 |
| QUARTET | 12+12+12+12                           | 48    | 18,657           | 5.5 | 48,000 | 14.07 | 55,200 | 16.18 | 9.3         | 21.2   | 24.4 | 2,086     | 4,740  | 5,451 |

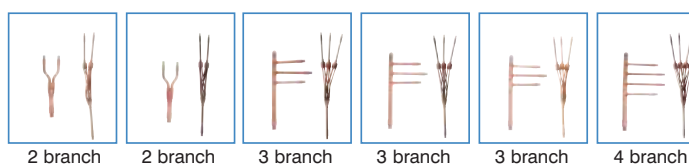
| Type    | Combination of Indoor Units (k Btu/h) |       | Heating Capacity |     |        |       |        |       | Current (A) |        |      | Input (kW) |        |      |
|---------|---------------------------------------|-------|------------------|-----|--------|-------|--------|-------|-------------|--------|------|------------|--------|------|
|         |                                       |       | Min              |     | Rating |       | Max    |       |             |        |      |            |        |      |
|         | Possibility                           | Total | Btu/h            | kw  | Btu/h  | kW    | Btu/h  | kW    | Min         | Rating | Max  | Min        | Rating | Max  |
| DUO     | 24+30                                 | 54    | 24,140           | 7.1 | 62,100 | 18.2  | 68,310 | 20.02 | 12.5        | 28.5   | 32.8 | 2.8        | 6.36   | 7.31 |
|         | 24+36                                 | 60    | 25,030           | 7.3 | 64,400 | 18.87 | 70,840 | 20.76 | 13          | 29.6   | 33.4 | 2.91       | 6.61   | 7.49 |
|         | 30+30                                 | 60    | 25,030           | 7.3 | 64,400 | 18.87 | 70,840 | 20.76 | 13          | 29.6   | 33.4 | 2.91       | 6.61   | 7.49 |
| TRIO    | 18+18+18                              | 54    | 24,140           | 7.1 | 62,100 | 18.2  | 68,310 | 20.02 | 12.5        | 28.5   | 32.8 | 2.8        | 6.36   | 7.31 |
|         | 18+18+24                              | 60    | 25,030           | 7.3 | 64,400 | 18.87 | 70,840 | 20.76 | 13          | 29.6   | 33.4 | 2.91       | 6.61   | 7.49 |
| QUARTET | 12+12+12+12                           | 48    | 21,460           | 6.3 | 55,200 | 16.18 | 63,480 | 18.6  | 10.1        | 22.9   | 26.3 | 2.25       | 5.11   | 5.87 |

## Measurement Conditions

- Capacities are based on the following conditions:  
 Cooling: Indoor Temperature 27°C DB / 19°C WB      Outdoor Temperature 35°C DB / 24°C WB  
 Heating: Indoor Temperature 20°C DB / 15°C WB      Outdoor Temperature 7°C DB / 6°C WB  
 - Piping Length 7.5 m  
 - Level Difference Zero.

## Branch Pipe

| Model     | Indoor  | Indoor Capacity Ratio(%) |
|-----------|---------|--------------------------|
| PMUB11A   | 2 units | 50:50 (1:1)              |
| PMUB23A   |         | 40:60 (2:3)              |
| PMUB122A  | 3 units | 20:40:40 (1:2:2)         |
| PMUB112A  |         | 25:25:50 (1:1:2)         |
| PMUB111A  |         | 33:33:33 (1:1:1)         |
| PMUB1111A | 4 units | 25:25:25:25 (1:1:1:1)    |



Note: Due to our policy of innovation some specifications may be changed without notification.



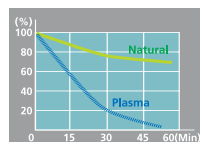
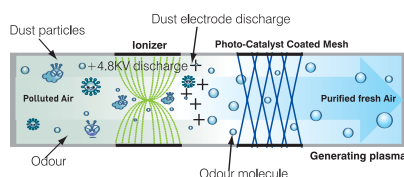
# floor standing type

This is a floor standing type that blends in perfectly with the surrounding decoration. Clean and fresh air conditioning is ensured with a high level of cooling or heating performance and air purifying operation.

## PLASMA Air Purifying System

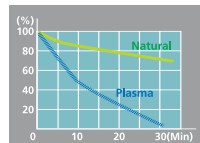
The PLASMA Air Purifying System within the air conditioner removes microscopic contaminants and dust to eliminate offensive odors and prevent allergic reactions.

It can also be used as an air-purifying unit even though the air-cooling function is off.



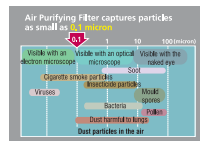
### Dust Reduction

Respirable particles from 5 cigarettes in a sealed room removed by LG Plasma Air Purifying System



### Deodorization

LG's Plasma unit effectively removes high concentration tobacco odors confirmed in Sensory tests of odor index carried out in Korea and Japan.



### Anti-Allergy

In clinical tests, the plasma unit has earned a satisfaction ratio of 82%.

Evaluated by CSIRO Australia (DBCE Doc 98/204) Tested by Korean Food Research Institute and Japanese Environmental Centre and Yonsei Univ. College of Medicine. Allergy Research Lab.)

## Anti-Bacteria Filter

It removes dust in the air as well as bacteria, making the indoor atmosphere healthy.

## 4-Way Auto Swing (P03AH)

Hot or cold air can be evenly distributed throughout the room as the auto swing function blows air in 4 directions.



## Touch Screen Panel



LED MODULE



## Child Lock Function

This function prevents children or others from tampering with the control buttons on the unit.

- The unit will be controlled only by remote controller.

## Duct Operation (P08AH only)

Depending on the room size and shape, if the unit is installed in a Duct-type manner you are able to cool more air at the same time to save energy.



# floor standing type

## P03AH / P05AH

- PLASMA Air Purifying System • Jet Cool Operation
- Wireless Remote Controller • Auto Swing
- Soft Dry Operation Mode • 7-Hour OFF Setting Timer
- One-Touch Air Filter (Anti-Bacteria) • Auto Restart
- Child Lock Function • Anti Corrosion Gold Fin (Outdoor)
- Electric Heater • Touch Pad (P03AH Only)



P03AH

P05AH

## Specification

| Model   | Indoor Unit | Outdoor Unit         | P03AH NR1<br>P03AH UR1 | P05AH NT0<br>P05AH UT0 |
|---|-------------|----------------------|------------------------|------------------------|
| Nominal Capacity  | Cooling     | kW                   | 8.1                    | 13.5                   |
| Capacity (UK)   | Cooling     | kW                   | 7.5                    | 12.6                   |
| Nominal Capacity (T1)                                       | Heating     | kW                   | 8.1                    | 14.1                   |
| Power Supply to Unit  | V/Phase/Hz  |                      | 240/1/50               | 415/3/50               |
| Power supply to   | Outdoor     |                      | Outdoor                | Outdoor                |
| Inter connecting Cables                                     | No. Amps    |                      | 5 * 5A/2 * 30A         | 5 * 5A/2 * 30A         |
| Running Current   | Cooling     | Amps                 | 13                     | 9.5                    |
|   | Heating     | Amps                 | 13                     | 9                      |
| Power Input   | Cooling     | kW                   | 2.8                    | 5.3                    |
|   | Heating     | kW                   | 2.8                    | 5                      |
| Start Current   | Cooling     | Amps                 | 68                     | 60                     |
|   | Heating     | Amps                 | 68                     | 60                     |
| Circuit Breaker   |             | Amps                 | 36                     | 20                     |
| T1 EER  | Cool        | (W/W)                | 2.5                    | 2.2                    |
| T1 COP  | Heat        | (W/W)                | 2.9                    | 2.8                    |
| Air Circulation   | Indoor      | (m3/min)             | 17                     | 30                     |
| (High Speed)  | Outdoor     | (m3/min)             | 58                     | 104                    |
| Sound Levels  | Indoor      | dB(A) +/-3 (at 1.0m) | 48                     | 53                     |
| (High Speed)  | Outdoor     | dB(A) +/-3 (at 1.0m) | 58                     | 58                     |
| Indoor Units  | WxHxD       | (mm)                 | 570 x 1820 x 317       | 590 x 1850 x 440       |
| Outdoor Units   | WxHxD       | (mm)                 | 870 x 655 x 320        | 900 x 1165 x 370       |
| Indoor Units  |             | (Kg)                 | 33                     | 60                     |
| Outdoor Units   |             | (Kg)                 | 63                     | 90                     |
| Liquid  |             | (Inch)               | 3/8                    | 3/8                    |
| Suction   |             | (Inch)               | 5/8                    | 3/4                    |
| Drain (ID)  |             | (mm)                 | 21.5                   | 40                     |
| Maximum Elevation   |             | (m)                  | 20                     | 25                     |
| Max. Distance between In & Out                              |             | (m)                  | 30                     | 40                     |
| Factory charge  |             | (Kg)                 | 2.2                    | 2.9                    |
| Charged for — m   |             | (m)                  | 7.5                    | 7.5                    |
| Additional g/m  |             | (g/m)                | 30                     | 40                     |
| need a low ambient kit to cool in ambients of less than 20C | Yes/No      |                      | yes                    | yes                    |

**T1 Condition:** Cooling - indoor 27Cdb, 19Cdb; outdoor 35Cdb  
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb  
**UK Condition:** Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

Note: Due to our policy of innovation some specifications may be changed without notification.

# floor standing type

## P08AH

- Soft Dry Operation Mode
- 7-Hour OFF Setting Timer
- Wireless Remote Controller
- One-Touch Air Filter (Anti-Bacteria)
- Auto Restart
- Child Lock Function
- Duct Operation
- Electric Heater



P08AH

## Specification

| Model   | Indoor Unit | Outdoor Unit         | P08AH NF0<br>P08AH UF0 |
|---|-------------|----------------------|------------------------|
| Nominal Capacity  | Cooling     | kW                   | 21.1                   |
| Capacity (UK)   | Cooling     | kW                   | 19.6                   |
| Nominal Capacity (T1)                                       | Heating     | kW                   | 25.8                   |
| Power Supply to Unit  | V/Phase/Hz  |                      | 415/3/50               |
| Power supply to   |             |                      | Outdoor                |
| Inter connecting Cables                                     |             |                      | 5 * 5A + 2 * 30A       |
| cores and rating  | No. Amps    |                      |                        |
| Running Current   | Cooling     | Amps                 | 15.2                   |
|   | Heating     | Amps                 | 14.5                   |
| Power Input   | Cooling     | kW                   | 8.8                    |
|   | Heating     | kW                   | 8.2                    |
| Start Current   | Cooling     | Amps                 | 95                     |
|   | Heating     | Amps                 | 95                     |
| Circuit Breaker   | Amps        |                      | 25 + 25                |
| T1 EER  | Cool        | (W/W)                | 2.1                    |
| T1 COP  | Heat        | (W/W)                | 3.2                    |
| Air Circulation   | Indoor      | (m3/min)             | 57                     |
| (High Speed)  | Outdoor     | (m3/min)             | 150                    |
| Sound Levels  | Indoor      | dB(A) +/-3 (at 1.0m) | 60                     |
| (High Speed)  | Outdoor     | dB(A) +/-3 (at 1.0m) | 65                     |
| Indoor Units  | WxHxD       | (mm)                 | 1050 x 1880 x 495      |
| Outdoor Units   | WxHxD       | (mm)                 | 1245 x 930 x 650       |
| Indoor Units  | (Kg)        |                      | 132                    |
| Outdoor Units   | (Kg)        |                      | 150                    |
| Liquid  | (Inch)      |                      | 3/8                    |
| Suction   | (Inch)      |                      | 1 1/8                  |
| Drain (ID)  | (mm)        |                      | 50                     |
| Maximum Elevation   | (m)         |                      | 30                     |
| Max. Distance between In & Out                              | (m)         |                      | 50                     |
| Factory charge  | (Kg)        |                      | 7.55                   |
| Charged for — m   | (m)         |                      | 7.5                    |
| Additional g/m  | (g/m)       |                      | 80                     |
| need a low ambient kit to cool in ambients of less than 20C | Yes/No      |                      | yes                    |

**T1 Condition:** Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb  
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb  
**UK Condition:** Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

Note: Due to our policy of innovation some specifications may be changed without notification.

# multi split air conditioners



## MPS Inverter :

A Multi Power System which uses an inverter compressor for the main compressor and constant compressors for the extra compressors.



## Inverter :

A power system which uses one powerful inverter compressor.

### Multi Split Air Conditioners



#### MULTI F



#### MULTI F DX



### For Commercial Sites



1-way Ceiling Cassette Type



4-way Ceiling Cassette Type



Ceiling Concealed Duct Type (High)



Ceiling Concealed Duct Type (Low)



Ceiling Concealed Duct Type (Built-in)



Ceiling & Floor Type

### For Residential Sites



ART COOL Mirror



Wall Mounted Type



ART COOL Gallery



ART COOL Panel



Wall Mounted Inverter Type

multi split air conditioners

# multi split air conditioners

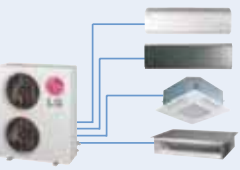
## Wide Range

LG Multi systems provide various indoor units and outdoor units up to 35.1kW.  
More than 2,000 combinations are available using 19 outdoor units and 47 indoor units

### MULTI F

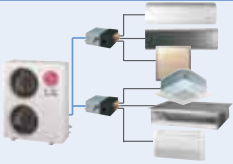
(Inverter)

(Based on Heat Pump)

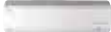










| Phase    | Max Indoor Units | Feature   | Capacity Range (kBtu/kW) |        |        |        |        |
|----------|------------------|---|--------------------------|--------|--------|--------|--------|
|          |                  |   | 14/4.0                   | 16/4.7 | 18/5.3 | 24/7.0 | 30/8.8 |
| 1ø, 220V | 2                |  | ●                        | ●      | ●      |        |        |
|          | 3                |   |                          |        | ●      | ●      |        |
|          | 4                |   |                          |        |        | ●      | ●      |

### MULTI F DX

(Inverter)

| Phase    | Max Indoor Units | Feature   | Capacity Range (kBtu/kW) |         |         |
|----------|------------------|---|--------------------------|---------|---------|
|          |                  |   | 40/11.7                  | 48/14.0 | 56/16.4 |
| 1ø, 220V | 6                |  | ●                        |         |         |
|          | 7                |   |                          | ●       |         |
|          | 8                |   |                          |         | ●       |

## Free Combination with Various Indoor Types

| Product                |             | Feature   | Capacity Range (kBtu/kW) |       |        |        |        |        |         |
|------------------------|-------------|---|--------------------------|-------|--------|--------|--------|--------|---------|
|                        |             |   | 7/2.1                    | 9/2.6 | 12/3.5 | 18/5.3 | 24/7.0 | 30/8.8 | 36/10.5 |
| Wall Mounted           |             |  | ●                        | ●     | ●      | ●      |        |        |         |
| ART COOL               | Mirror      |  | ●                        | ●     | ●      |        |        |        |         |
|                        | Deluxe      |  | ●                        | ●     | ●      |        |        |        |         |
|                        | Panel       |  |                          | ●     | ●      |        |        |        |         |
|                        | Gallery     |  |                          | ●     | ●      |        |        |        |         |
| Ceiling & Floor        |             |  |                          |       | ●      | ●      |        |        |         |
| Ceiling Concealed Duct | Built-in    |  |                          | ●     | ●      |        |        |        |         |
|                        | Low Static  |  |                          | ●     | ●      |        |        |        |         |
|                        | Slim Duct   |  |                          | ●     | ●      |        |        |        |         |
|                        | High Static |  |                          |       |        | ●      |        |        |         |
| Cassette               | 4Way        |  |                          |       | ●      | ●      | ●      | ●      | ●       |





# multi split air conditioners

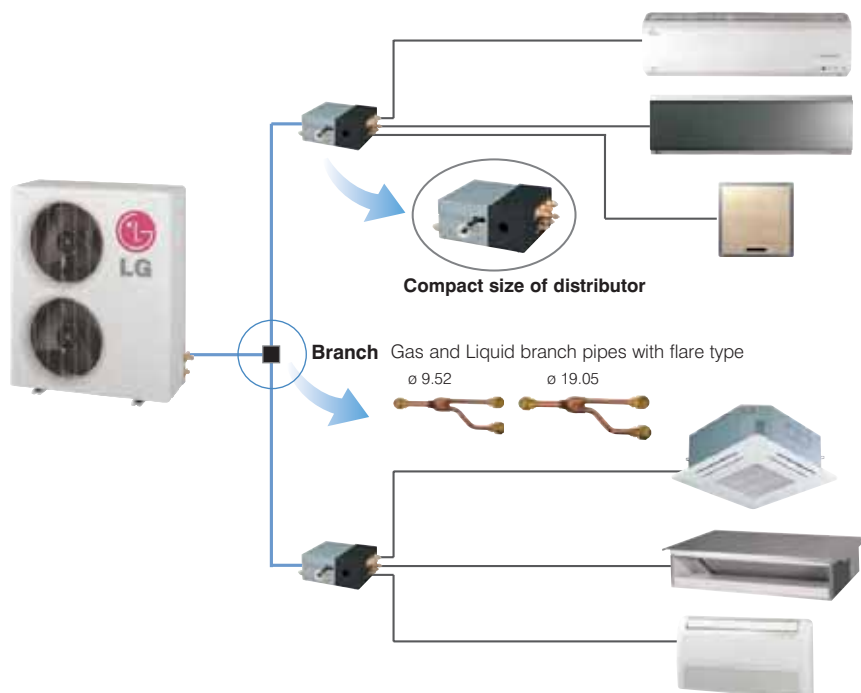
## MULTI F

## MULTI F DX

- Max. 70% Energy Saving with MPS Inverter Control
- Top Class Energy Level
- Quick Cooling & Heating
- Comfortable
- Long & High Elevation Piping
- Compact Size, easy Installation



### Multi FDX System



multi split air conditioners



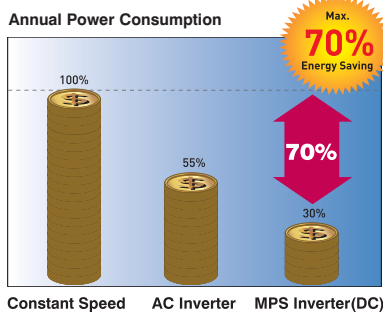
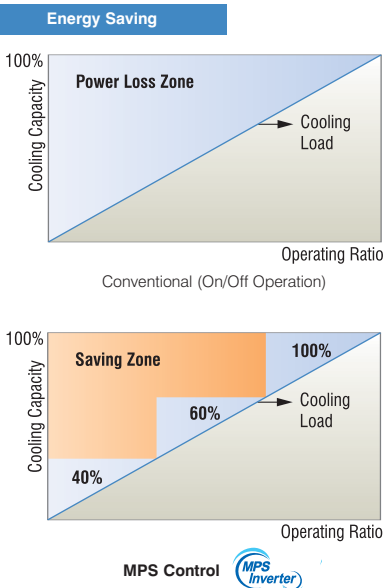
# MPS Inverter Technology

Using DC Inverter compressor and MPS control



## Max. 70% Energy Saving with MPS Inverter Control

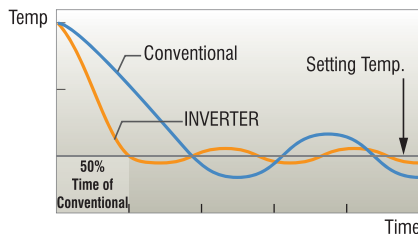
The MPS Inverter Multi is an energy saving air-conditioning system which uses one high efficiency constant speed compressor and a DC inverter compressor.



\*Condition of trial : ISO5151

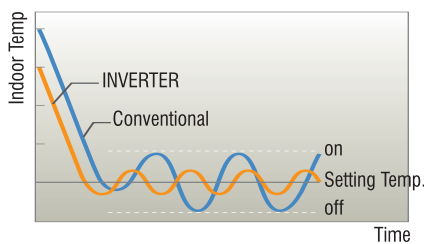
## Quick Cooling & Heating

Inverter units operate at high power until the room reaches the preset temperature, this will Cool / Heat 20% faster than conventional air conditioning units.

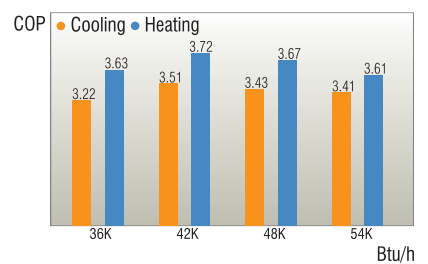


## Comfortable

LG Inverter units operate at HIGH POWER until the room reaches the preset temperature, then at low power, to maintain the temperature in the room.

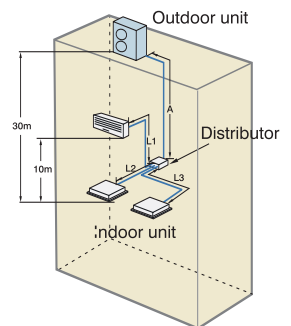


## Top Class Energy Level



## Long & High Elevation Piping

The FM56AH supports a piping length of up to 120m and high elevation of up to 30m for more flexibility in installation










### \*Distributor Type

| Piping Length(m)             | FM40AH | FM48AH | FM56AH |
|------------------------------|--------|--------|--------|
| Total Pipe (A+L1+L2+L3)      | 100    | 110    | 120    |
| Main Pipe (A)                | 50     | 50     | 50     |
| Total Branch Pipe (L1+L2+L3) | 50     | 60     | 70     |
| Each Branch Pipe             | 15     | 15     | 15     |
| Indoor—Outdoor               | 30     | 30     | 30     |
| Indoor—Indoor                | 10     | 10     | 10     |

# multi split air conditioners

## MULTI F MULTI F DX

### Indoor Units

| Type   | Wall Mounted Type   |   |   |   |   | Ceiling Cassette Type   | Ceiling Concealed Duct Type   |   |   |   |                 | Ceiling & Floor Type |
|--------|---|---|---|---|---|---|---|---|---|---|-----------------|----------------------|
|        | Wall Mounted  |   | Mirror  |   | Gallery   | 4-way   | Built-in  | Low   | Slim Duct   | High  |                 |                      |
|        |  |  |  |  |  |  |  |  |  |  |                 |                      |
| 2.1 kW | MS07AH N40<br>•   | MC07AH* NZ1<br>•  | MC07AH* NE0<br>•  |   |   |   |   |   |   |   |                 |                      |
| 2.6 kW | MS09AH N40<br>•   | MC09AH* NU1<br>•  | MC09AH* NE0<br>•  | MA09AH* NP1<br>•  | MA09AH* NF0<br>•  |   | MB09AHB NP0<br>•  | MB09AHL NT0<br>•  | MB09AHL N10<br>•  |   |                 |                      |
| 3.5 kW | MS12AH N40<br>•   | MC12AH* NU1<br>•  | MC12AH* NE0<br>•  | MA12AH* NP1<br>•  | MA12AH* NF0<br>•  | MT12AH NE1<br>•   | MB12AHB NP0<br>•  | MB12AHL NT0<br>•  | MB12AHL N10<br>•  |   | MV12AH NE0<br>• |                      |
| 5.3 kW | MS18AH N50<br>•   |   |   |   |   | MT18AH NE1<br>•   |   |   |   | MB18AH NH0<br>•   | MV18AH NB0<br>• |                      |
| 7.7 kW |   |   |   |   |   | MT24AH NH0<br>•   |   |   |   |   |                 |                      |






**ART COOL** Note: \* indicates color of panel

\*Metal(M) \*Mirror(R) \*Silver(V) \*Red(E) \*Gold(G) \*White Silver(H) \*Wood(D) \*Blue(B) \*Mirror(R) \*Cherry(C) \*White Wood(W) \*Blue(B) \*Wood(D)  
\*Metal(M) \*Blue(B) \*White Wood(W) \*Gallery(1)

multi split air conditioners



# Wall Mounted Type

| Capacity (kW)       |  | 2.1                      | 2.6                      | 3.5                      |
|---------------------|--|--------------------------|--------------------------|--------------------------|
| Wall Mounted        |   | MS07AH N40<br>MS07AC N40 | MS09AH N40<br>MS09AC N40 | MS12AH N40<br>MS12AC N40 |
| ART COOL<br>Mirror  |   | MC07AH* NZ1              | MC09AH* NU1              | MC12AH* NU1              |
|                     |   | MC07AH* NE0              | MC09AH* NE0              | MC12AH* NE0              |
| ART COOL            |   |                          | MA09AH* NP1              | MA12AH* NP1              |
| ART COOL<br>Gallery |  |                          | MA09AH* NF0              | MA12AH* NF0              |

ART COOL Note: \* indicates color of panel

\*Metal(M) \*Mirror(R) \*Silver(V) \*Red(E) \*Gold(G) \*White Silver(H) \*Wood(D)  
 \*Blue(B) \*Mirror(R) \*Cherry(C) \*White Wood(W) \*Blue(B) \*Wood(D) \*Metal(M)  
 \*Blue(B) \*White Wood(W) \*Gallery(1)



## Specification

| Model Number            |              |                      | MS07AH N40       | MS09AH N40       | MS12AH N40       | MS18AH N50       | MA09AH* NF0      | MA12AH* NF0      | MC07AH* NE0      | MC09AH* NE0      | MC12AH* NE0      |
|-------------------------|--------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                         |              |                      | wall mounted     |                  |                  |                  | artcool          |                  |                  |                  |                  |
| Nominal Capacity        | Cooling      | kW                   | 2.1              | 2.6              | 3.5              | 5.3              | 2.6              | 3.5              | 2.1              | 2.6              | 3.5              |
| Capacity (UK)           | Cooling      | kW                   | 2.1              | 2.6              | 3.5              | 5.3              | 2.6              | 3.5              | 2.1              | 2.6              | 3.5              |
| Nominal Capacity (T1)   | Heating      | kW                   | 2.3              | 2.9              | 3.9              | 5.8              | 2.9              | 3.9              | 2.3              | 2.9              | 3.9              |
| Power supply to Unit    | V/Phase/Hz   |                      | 1 Ph             | 1 Ph             | 1 Ph             | 1 Ph             | 1 Ph             | 1 Ph             | 1 Ph             | 1 Ph             | 1 Ph             |
| Power supply to         |              |                      | Fed From Outdoor | Fed From Outdoor | Fed From Outdoor | Fed From Outdoor | Fed From Outdoor | Fed From Outdoor | Fed From Outdoor | Fed From Outdoor | Fed From Outdoor |
| Inter connecting Cables |              |                      | 3 + E            | 3 + E            | 3 + E            | 3 + E            | 3 + E            | 3 + E            | 3 + E            | 3 + E            | 3 + E            |
| cores and rating        | No. Amps     |                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Running Current         | Cooling      | Amps                 | 0.1              | 0.2              | 0.2              | 0.3              | 0.1              | 0.1              | 0.1              | 0.2              | 0.2              |
|                         | Heating      | Amps                 | 0.1              | 0.2              | 0.2              | 0.3              | 0.1              | 0.1              | 0.1              | 0.2              | 0.2              |
| Circuit Breaker         | Amps         |                      | n/a              | n/a              | n/a              | n/a              | n/a              | n/a              | n/a              | n/a              | n/a              |
| Air Circulation         | (High Speed) | (m3/min)             | 5.6              | 7                | 9.5              | 12               | 7                | 8.7              | 7                | 8                | 10               |
| Sound Levels            | (High Speed) | dB(A) +/-3 (at 1.0m) | 29               | 33               | 36               | 37               | 37               | 43               | 30               | 31               | 35               |
| Dimension               | WxHxD        | (mm)                 | 758*260*160      | 758*260*160      | 758*260*160      | 1090*300*180     | 570x568x129      | 570x568x129      | 915*282*165      | 915*282*165      | 915*282*165      |
| Weight                  | (Kg)         |                      | 7                | 7                | 7                | 13               | 9                | 9                | 8.1              | 9.5              | 9.5              |
| Refrigerant Pipe Sizes  |              |                      | 1/4, 3/8         | 1/4, 3/8         | 1/4, 3/8         | 1/4, 1/2         | 1/4, 3/8         | 1/4, 3/8         | 1/4, 3/8         | 1/4, 3/8         | 1/4, 3/8         |
| Drain (DI)              | (mm)         |                      | 20               | 20               | 20               | 20               | 20               | 20               | 20               | 20               | 20               |

**T1 Condition:** Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb  
 Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb  
**UK Condition:** Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

Note: Due to our policy of innovation some specifications may be changed without notification.

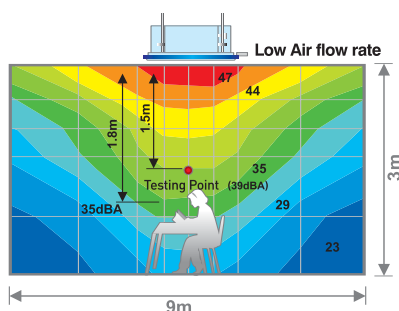
# ceiling cassette type

## Application of a High-Efficiency Compact Turbo Fan

The application of a compact turbo fan minimized the size of the unit. It also has improved the air flow and the interior temperature distribution forming a quiet and pleasant environment.



Compact Turbo Fan



## PLASMA Air Purifying System (Optional)

LG's unique PLASMA Air Purifying System not only reduces microscopic contaminants and dust, but also filters house mites, pollen and even pet fur to ease allergy and asthma symptoms.

With a filter that can be used over and over again by simply washing it, you can enjoy clean fresh air without having to worry about changing the filter every couple of years or so resulting in cost savings.

## Super Slim Design

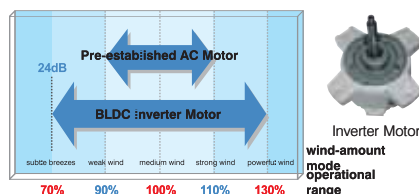
The interior air conditioner with the smallest and the most compact design in the world based on a three-dimensional CAD and CAE computer system has successfully reduced the space it occupies and enabled installation in various spaces.



## BLDC Inverter Motor

By using a super-light BLDC inverter we have increased the stability and efficiency of the product with reduced noise level of 24dB.

Variable range of wind of the interior fan motor



## Super Low Power Consumption Use in Standby Mode by Adopting SMPS

(Switching Mode Power Supply)

- **Power waste due to standby power**  
- Power is wasted if unit is connected even though the appliance is turned off.
- **Development of super power-saving SMPS (Switching Mode Power Supply)**  
- Reducing standby power by 90%.



## ceiling cassette type



## Specification

| Model Number                                |              |                      | MT12AH NE1       | MT18AH NE1       | MT24AH NH0       |
|---|--------------|----------------------|------------------|------------------|------------------|
| Grille                                      |              |                      | PT-HEC1          | PT-HEC1          | PT-HDC1          |
| Nominal Capacity                            | Cooling      | kW                   | 3.5              | 5.3              | 7                |
| Capacity (UK)                               | Cooling      | kW                   | 3.5              | 5.3              | 7                |
| Nominal Capacity (T1)                       | Heating      | kW                   | 3.9              | 5.8              | 7.7              |
| Power Supply to Unit                        |              | V/Phase/Hz           | 1 Ph             | 1 Ph             | 1 Ph             |
| Power supply to                             |              |                      | Fed From Outdoor | Fed From Outdoor | Fed From Outdoor |
| Inter connecting Cables<br>cores and rating |              | No. Amps             | 3 + E            | 3 + E            | 3 + E            |
| Running Current                             | Cooling      | Amps                 | 0.4              | 0.8              | 0.8              |
|   | Heating      | Amps                 | 0.4              | 0.8              | 0.8              |
| Air Circulation                             | (High Speed) | (m3/min)             | 9.5              | 12               | 17               |
| Sound Levels                                | (High Speed) | dB(A) +/-3 (at 1.0m) | 36               | 41               | 32               |
| Dimension                                   | WxHxD        | (mm)                 | 570*265*570      | 570*265*570      | 840*840*225      |
| Panel Section                               | WxHxD        | (mm)                 | 670x30x670       | 670x30x670       | 850x30x850       |
| Weight                                      | (Kg)         |                      | 19               | 19               | 26               |
| Refrigerant Pipe Sizes                      |              |                      | 1/4, 3/8         | 1/4, 1/2         | 1/4, 1/2         |
| Drain (DI)                                  | (mm)         |                      | 32               | 32               | 32               |

**T1 Condition:** Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb  
 Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb  
**UK Condition:** Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

Note: Due to our policy of innovation some specifications may be changed without notification.

# ceiling concealed duct type

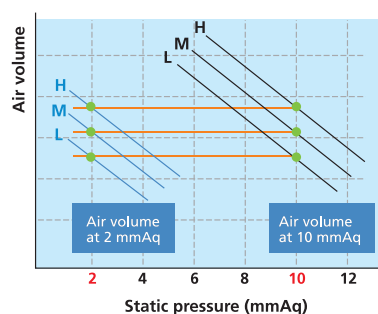


## E.S.P: External Static Pressure

Using this technology , you can

- Optimize duct work Installation
- Keep capacity & sound level as desired

Desired air volume is obtained by controlling the phase of motor while installing the product and this makes your duct work system flexible. E.S.P is controlled from 0 to 10mmAq.



## Slim duct

Hidden in the ceiling, this product is suitable for applications that require floor level or individual level air conditioning for buildings where there are many rooms or halls, such as restaurants, concert halls and hotels. Installation is not hindered by the location of lighting fixtures or room structure, and interior renovation is made easy with the installation of various ventilation diffusers.

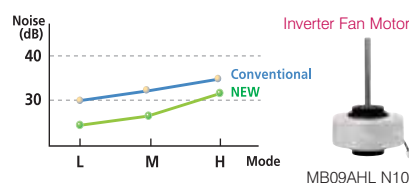
### Slim Duct







MB09AHL N10

\*Conventional Model : 650x230x535

### Noise Level



MB09AHL N10

| Capacity (kW)   | 2.6         | 3.5         | 5.3         |
|---|-------------|-------------|-------------|
| Built-in     | MB09AHB NP0 | MB12AHB NP0 |             |
| Low Static   | MB09AHL NT0 | MB12AHL NT0 |             |
| Slim Duct    | MB09AHL N10 | MB12AHL N10 | MB18AHL N20 |
| High Static  |             |             | MB18AH NH0  |



## ceiling concealed duct type

## Specification

| Model Number                                |                                   |          | MB18AHL N10<br>Ducted High Static | MB09AHL N10      | MB12AHL N10<br>Ducted Low Static | MB18AHL N20      | MB24AHL N20      |
|---|-----------------------------------|----------|-----------------------------------|------------------|----------------------------------|------------------|------------------|
| Grille                                      |                                   |          | n/a                               | n/a              | n/a                              | n/a              | n/a              |
| Nominal Capacity                            | Cooling                           | kW       | 5.3                               | 2.6              | 3.5                              | 5.3              | 7                |
| Capacity (UK)                               | Cooling                           | kW       | 5.3                               | 2.6              | 3.5                              | 5.3              | 7                |
| Nominal Capacity (T1)                       | Heating                           | kW       | 5.8                               | 2.9              | 3.9                              | 5.8              | 7.7              |
| Power Supply to Unit                        | V/Phase/Hz                        |          | 1 Ph                              | 1 Ph             | 1 Ph                             | 1 Ph             | 1 Ph             |
| Power supply to                             |                                   |          | Fed From Outdoor                  | Fed From Outdoor | Fed From Outdoor                 | Fed From Outdoor | Fed From Outdoor |
| Inter connecting Cables<br>cores and rating | No. Amps                          |          | 3 + E                             | 3 + E            | 3 + E                            | 3 + E            | 3 + E            |
| Running Current                             | Cooling                           | Amps     | 0.8                               | 0.7              | 0.7                              | 0.7              | 0.7              |
|   | Heating                           | Amps     | 0.8                               | 0.7              | 0.7                              | 0.7              | 0.7              |
| Air Circulation                             | (High Speed)                      | (m3/min) | 16.5                              | 8                | 10                               | 13.5             | 17.5             |
| Sound Levels                                | (High Speed) dB(A) +/-3 (at 1.0m) |          | 36                                | 31               | 33                               | 34               | 34               |
| Dimension                                   | WxHxD                             | (mm)     | 950*950*30                        | 820*190*575      | 820*190*575                      | 1100*190*575     | 1100*190*575     |
| Weight                                      |                                   | (Kg)     | 35                                | 16               | 16                               | 21               | 21               |
| Refrigerant Pipe Sizes                      |                                   |          | 1/4, 1/2                          | 1/4, 3/8         | 1/4,3/8                          | 1/4,1/2          | 3/8,3/4          |
| Drain (DI)                                  |                                   |          | (mm)                              | 32               | 32                               | 32               | 32               |

**T1 Condition:** Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb  
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb

**UK Condition:** Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

Note: Due to our policy of innovation some specifications may be changed without notification.



# ceiling and floor type

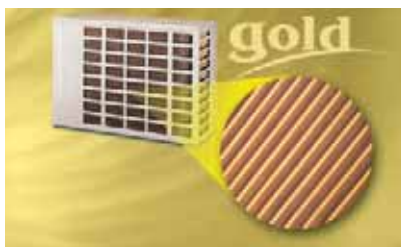
## Upgraded Function



- One Touch Filter & Filter Cleaning Alarm Function
- Power Mode

## Gold Fin™ Anti Corrosion

LG's Outdoor Heat Exchanger is coated with a golden anti-corrosive epoxy treatment on the aluminum coil to minimized corrosion. This maintains heat transfer properties of the coil for an extended time where as non-Gold Fin coils progressively lose efficiency due to surface corrosion. Standard on every LG air conditioner, this assists in areas suffering from pollution or near the ocean where the unit may subjected to higher levels of salt.

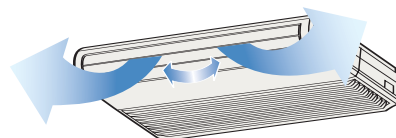


[Test Standard : ASTM B-117, KS D9502]

## Airflow Direction Control

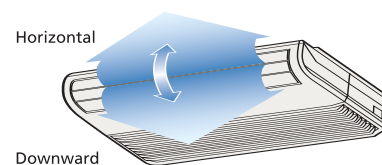
### Horizontal Airflow Direction Control.

Adjust the horizontal airflow direction by manually moving the horizontal airflow direction louver by hand.



### Vertical Airflow Direction Control

The airflow direction can be adjusted as desired by using the remote controller.



multi split air conditioners



## ceiling and floor type



## Specification

| Model Number            |                                   |          | MV12AH NEO       | MV18AH NBO       |
|-------------------------|-----------------------------------|----------|------------------|------------------|
| Grille                  |                                   |          | n/a              | n/a              |
| Nominal Capacity        | Cooling                           | kW       | 3.5              | 5.3              |
| Capacity (UK)           | Cooling                           | kW       | 3.5              | 5.3              |
| Nominal Capacity (T1)   | Heating                           | kW       | 3.9              | 5.8              |
| Power Supply to Unit    | V/Phase/Hz                        |          | 1 Ph             | 1 Ph             |
| Power supply to         |                                   |          | Fed From Outdoor | Fed From Outdoor |
| Inter connecting Cables |                                   |          | 3 + E            | 3 + E            |
| cores and rating        | No. Amps                          |          |                  |                  |
| Running Current         | Cooling                           | Amps     | 0.6              | 0.7              |
|                         | Heating                           | Amps     | 0.6              | 0.7              |
| Air Circulation         | (High Speed)                      | (m3/min) | 10               | 13.5             |
| Sound Levels            | (High Speed) dB(A) +/-3 (at 1.0m) |          | 40               | 43               |
| Dimension               | WxHxD                             | (mm)     | 900x200x490      | 1200x205x615     |
| Weight                  |                                   | (Kg)     | 12               | 30               |
| Refrigerant Pipe Sizes  |                                   |          | 1/4, 3/8         | 1/4, 1/2         |
| Drain (DI)              |                                   | (mm)     | 20               | 20               |

**T1 Condition:** Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb  
 Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb  
**UK Condition:** Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

Note: Due to our policy of innovation some specifications may be changed without notification.



# MULTI F

## Specifications Outdoor Units



• FM19AH UE0



• FM25AH UE0



• FM30AH UE0

## Specification

| Model Number            |                                   |          | FM19AH UE0      | FM25AH UE0      | FM30AH UE0   |
|-------------------------|-----------------------------------|----------|-----------------|-----------------|--------------|
| Nominal Capacity        | Cooling                           | kW       | 5.3             | 7.3             | 8.8          |
| Capacity (UK)           | Cooling                           | kW       | 5.3             | 7.3             | 8.8          |
| Nominal Capacity (T1)   | Heating                           | kW       | 6.3             | 8.8             | 10.1         |
| Power Supply to Unit    | V/Phase/Hz                        |          | 1 Ph            | 1 ph            | 1 Ph         |
| Power supply to         |                                   |          | Outdoor         | Outdoor         | Outdoor      |
| Inter connecting Cables |                                   |          | 3 + E           | 3 + E           | 3 + E        |
| cores and rating        | No. Amps                          |          |                 |                 |              |
| Running Current         | Cooling                           | Amps     | 7.3             | 9.9             | 11.9         |
|                         | Heating                           | Amps     | 7.8             | 10.8            | 12.1         |
| Power Input             | Cooling                           | kW       | 1.6             | 2.3             | 2.7          |
|                         | Heating                           | kW       | 1.7             | 2.4             | 2.8          |
| Start Current           | Cooling                           | Amps     | 8               | 31              | 35           |
| Circuit Breaker         | Amps                              |          | 15              | 20              | 25           |
| T1 EER                  | Cool                              | (W/W)    | 3.4             | 3.2             | 3.2          |
| T1 COP                  | Heat                              | (W/W)    | 3.8             | 3.6             | 3.6          |
| Air Circulation         | (High Speed)                      | (m3/min) | 53              | 51              | 64           |
| Sound Levels            | (High Speed) dB(A) +/-3 (at 1.0m) |          | 51              | 52              | 50           |
| Dimension               | WxHxD                             | (mm)     | 870 x 655 x 320 | 870 x 808 x 320 | 870x1060x320 |
| Weight                  | (Kg)                              |          | 52              | 69              | 80           |
| Refrigerant Pipe Sizes  |                                   |          | 3 X 1/4, 3/8    | 4 X 1/4, 3/8    | 4 X 1/4, 3/8 |
| Maximum Elevation       | (mm)                              |          | 15              | 15              | 15           |
| Max. Total / Per Fan    | (m)                               |          | 50 / 25         | 70 / 25         | 70 / 25      |

### Notes:

- Capacities are based on the following conditions:  
 Cooling: - Indoor Temperature 27°...(80.6°F) DB / 19 °...(66.2°F) WB  
 - Outdoor Temperature 35°...(95°F) DB / 24°...(75.2°F) WB  
 Heating: - Indoor Temperature 20°...(68°F) DB / 15°...(59°F) WB  
 - Outdoor Temperature 7°...(44.6°F) DB / 6°...(42.8°F) WB  
 Piping Length - Interconnecting Piping Length 7.5m  
 - Level Difference of Zero.
- \* :See Combination Table Page.
- Due to our policy of innovation some specifications may be changed without notification.
- At least two indoor units should be connected.

**T1 Condition:** Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb  
 Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb  
**UK Condition:** Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb



# MULTI F DX

## Specifications Outdoor Units



• FM40AH UH0



• FM48AH UY0



• FM56AH UY0

## Specification

| Model Number            |                                   |          | FM40AH UH0   | FM48AH UY0     | FM56AH UY0     |
|-------------------------|-----------------------------------|----------|--------------|----------------|----------------|
| Nominal Capacity        | Cooling                           | kW       | 11.7         | 14.1           | 16.4           |
| Capacity (UK)           | Cooling                           | kW       | 11.7         | 14.1           | 16.4           |
| Nominal Capacity (T1)   | Heating                           | kW       | 13.5         | 16.2           | 18.9           |
| Power Supply to Unit    | V/Phase/Hz                        |          | 1 Ph         | 1 Ph           | 1 Ph           |
| Power supply to         |                                   |          | Outdoor      | Outdoor        | Outdoor        |
| Inter connecting Cables |                                   |          | 3 + E        | 3 + E          | 3 + E          |
| cores and rating        | No. Amps                          |          |              |                |                |
| Running Current         | Cooling                           | Amps     | 15.9         | 19.4           | 21.7           |
|                         | Heating                           | Amps     | 16.1         | 20.9           | 22.2           |
| Power Input             | Cooling                           | kW       | 3.7          | 4.5            | 5              |
|                         | Heating                           | kW       | 3.7          | 4.8            | 5.1            |
| Start Current           | Cooling                           | Amps     | 35           | 57             | 57             |
| Circuit Breaker         | Amps                              |          | 30           | 50             | 50             |
| T1 EER                  | Cool                              | (W/W)    | 3.2          | 3.1            | 3.3            |
| T1 COP                  | Heat                              | (W/W)    | 3.6          | 3.4            | 3.7            |
| Air Circulation         | (High Speed)                      | (m3/min) | 106          | 90             | 90             |
| Sound Levels            | (High Speed) dB(A) +/-3 (at 1.0m) |          | 58           | 59             | 59             |
| Dimension               | WxHxD                             | (mm)     | 901x1165x370 | 806 x 1512x730 | 806 x 1512x730 |
| Weight                  | (Kg)                              |          | 105          | 142            | 148            |
| Refrigerant Pipe Sizes  |                                   |          | 3/8, 3/4     | 3/8, 3/4       | 3/8, 3/4       |
| Maximum Elevation       | (mm)                              |          | 30           | 30             | 30             |
| Max. Total / Per Fan    | (m)                               |          | 100          | 110            | 120            |

### Notes:

- Capacities are based on the following conditions:  
 Cooling: - Indoor Temperature 27°...(80.6°F) DB / 19 °...(66.2°F) WB  
 - Outdoor Temperature 35°...(95°F) DB / 24°...(75.2°F) WB  
 Heating: - Indoor Temperature 20°...(68°F) DB / 15°...(59°F) WB  
 - Outdoor Temperature 7°...(44.6°F) DB / 6°...(42.8°F) WB  
 Piping Length - Interconnecting Piping Length 7.5m  
 - Level Difference of Zero.
- \* :See Combination Table Page
- Due to our policy of innovation some specifications may be changed without notification.
- At least two indoor units should be connected.
- Minimum combination capacity rate should be more than 40%.

**T1 Condition:** Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb  
 Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb  
**UK Condition:** Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

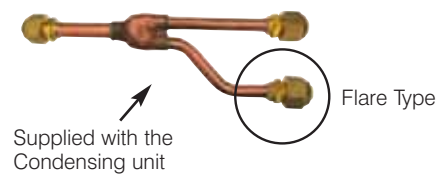
# MULTI FDX Distributor Box

## Large Capacity Multi Systems with Distributor Box




| Cooling Capacity (kBtu/h) | 40 | 48 | 54 | 56 |
|---------------------------|----|----|----|----|
| 1 Phase                   | ●  | ●  |    | ●  |

### Connecting with Flare and Nuts

Installers can connect pipes to outdoor units, indoor units, branches and distributors without brazing.



### Easy Installation with Various Distributor Box

| For  | 2 Indoors   | 3 Indoors   | 4 Indoors   |
|--|---|---|---|
| Distributor  | <br>PMBD3620<br>PMBD7220 | <br>PMBD3630<br>PMBD7230 | <br>PMBD3640 |
| Various distributors can make much easier installation for any sites |   |   |   |

### Specification Distributors

| Model Number            |            | PMBD3620         | PMBD3630         | PMBD3640         | PMBD7230         |
|-------------------------|------------|------------------|------------------|------------------|------------------|
| Power Supply to Unit    | V/Phase/Hz | 1 Ph             | 1 Ph             | 1 Ph             | 1 Ph             |
| Power supply to         |            | Fed From Outdoor | Fed From Outdoor | Fed From Outdoor | Fed From Outdoor |
| Inter connecting Cables |            | 3 + E            | 3 + E            | 3 + E            | 3 + E            |
| cores and rating        | No. Amps   |                  |                  |                  |                  |
| Dimension               | WxHxD (mm) | 302x143x252      | 302x143x252      | 302x143x252      | 302x143x252      |

Note:

1. BD unit or Indoor Unit Max. Height <--> BD unit or Indoor Unit Min. Height : Max. 10m  
Set up the BD unit and Indoor Unit in 15m.
2. The piping connection must be suit the piping sizes of the indoor unit which will be connected. (If need, use the connector which is included in the indoor unit)
3. The BD should be installed inside the building.



# MULTI F combination table

## FM19AH UE0

| Operation | Combination |        |        |       | Cooling       |               |               |                |     |       |     |       |     |          |        |      |
|-----------|-------------|--------|--------|-------|---------------|---------------|---------------|----------------|-----|-------|-----|-------|-----|----------|--------|------|
|           |             |        |        |       | Each Capacity |               |               | Total Capacity |     |       |     |       |     | Input(W) |        |      |
|           |             |        |        |       | Min           |               | Rating        |                | Max |       |     |       |     |          |        |      |
| 1 Unit    | UNIT-A      | UNIT-B | UNIT-C | Total | UNIT-A(Btu/h) | UNIT-B(Btu/h) | UNIT-C(Btu/h) | Btu/h          | kW  | Btu/h | kW  | Btu/h | kW  | Min      | Rating | Max  |
|           | 7           |        |        | 7     | 7000          | -             | -             | 4600           | 1.3 | 7000  | 2.1 | 8400  | 2.5 | 480      | 690    | 866  |
|           | 9           |        |        | 9     | 9000          | -             | -             | 5400           | 1.6 | 9000  | 2.6 | 10800 | 3.2 | 541      | 874    | 1082 |
|           | 12          |        |        | 12    | 12000         | -             | -             | 7200           | 2.1 | 12000 | 3.5 | 14400 | 4.2 | 690      | 1149   | 1465 |
|           | 18          |        |        | 18    | 18000         | -             | -             | 10800          | 3.2 | 18000 | 5.3 | 21600 | 6.3 | 924      | 1685   | 2370 |
| 2 Unit    | 7           | 7      |        | 14    | 7000          | 7000          | -             | 8400           | 2.5 | 14000 | 4.1 | 16800 | 4.9 | 811      | 1333   | 1668 |
|           | 7           | 9      |        | 16    | 7000          | 9000          | -             | 9600           | 2.8 | 16000 | 4.7 | 19200 | 5.6 | 906      | 1516   | 1984 |
|           | 9           | 9      |        | 18    | 9000          | 9000          | -             | 10800          | 3.2 | 18000 | 5.3 | 21600 | 6.3 | 924      | 1685   | 2370 |
|           | 7           | 12     |        | 19    | 6632          | 11368         | -             | 10800          | 3.2 | 18000 | 5.3 | 21600 | 6.3 | 924      | 1685   | 2370 |
|           | 9           | 12     |        | 21    | 7714          | 10286         | -             | 10800          | 3.2 | 18000 | 5.3 | 21600 | 6.3 | 924      | 1685   | 2370 |
|           | 12          | 12     |        | 24    | 9000          | 9000          | -             | 10800          | 3.2 | 18000 | 5.3 | 21600 | 6.3 | 924      | 1685   | 2370 |
|           | 7           | 18     |        | 25    | 5040          | 12960         | -             | 10800          | 3.2 | 18000 | 5.3 | 21600 | 6.3 | 924      | 1685   | 2370 |
|           | 9           | 18     |        | 27    | 6000          | 12000         | -             | 10800          | 3.2 | 18000 | 5.3 | 21600 | 6.3 | 924      | 1685   | 2370 |
|           | 12          | 18     |        | 30    | 7200          | 10800         | -             | 10800          | 3.2 | 18000 | 5.3 | 21600 | 6.3 | 924      | 1685   | 2370 |
| 3 Unit    | 7           | 7      | 7      | 21    | 6000          | 6000          | 6000          | 10800          | 3.2 | 18000 | 5.3 | 21600 | 6.3 | 947      | 1580   | 2350 |
|           | 7           | 7      | 9      | 23    | 5478          | 5478          | 7043          | 10800          | 3.2 | 18000 | 5.3 | 21600 | 6.3 | 947      | 1580   | 2350 |
|           | 7           | 9      | 9      | 25    | 5040          | 6480          | 6480          | 10800          | 3.2 | 18000 | 5.3 | 21600 | 6.3 | 947      | 1580   | 2350 |
|           | 7           | 7      | 12     | 26    | 4846          | 4846          | 8308          | 10800          | 3.2 | 18000 | 5.3 | 21600 | 6.3 | 947      | 1580   | 2350 |
|           | 9           | 9      | 9      | 27    | 6000          | 6000          | 6000          | 10800          | 3.2 | 18000 | 5.3 | 21600 | 6.3 | 947      | 1580   | 2350 |
|           | 7           | 9      | 12     | 28    | 4500          | 5786          | 7714          | 10800          | 3.2 | 18000 | 5.3 | 21600 | 6.3 | 947      | 1580   | 2350 |
|           | 9           | 9      | 12     | 30    | 5400          | 5400          | 7200          | 10800          | 3.2 | 18000 | 5.3 | 21600 | 6.3 | 947      | 1580   | 2350 |

## FM19AH UE0

| Operation | Combination |        |        |       | Heating       |               |               |                |     |       |     |       |     |          |        |      |
|-----------|-------------|--------|--------|-------|---------------|---------------|---------------|----------------|-----|-------|-----|-------|-----|----------|--------|------|
|           |             |        |        |       | Each Capacity |               |               | Total Capacity |     |       |     |       |     | Input(W) |        |      |
|           |             |        |        |       | Min           |               | Rating        |                | Max |       |     |       |     |          |        |      |
| 1 Unit    | UNIT-A      | UNIT-B | UNIT-C | Total | UNIT-A(Btu/h) | UNIT-B(Btu/h) | UNIT-C(Btu/h) | Btu/h          | kW  | Btu/h | kW  | Btu/h | kW  | Min      | Rating | Max  |
|           | 7           |        |        | 7     | 8400          | -             | -             | 4800           | 1.4 | 8400  | 2.5 | 9660  | 2.8 | 630      | 1030   | 1271 |
|           | 9           |        |        | 9     | 10800         | -             | -             | 6480           | 1.9 | 10800 | 3.2 | 12420 | 3.6 | 771      | 1265   | 1542 |
|           | 12          |        |        | 12    | 13200         | -             | -             | 7920           | 2.3 | 13200 | 3.9 | 15180 | 4.4 | 866      | 1437   | 1731 |
|           | 18          |        |        | 18    | 21600         | -             | -             | 12960          | 3.8 | 21600 | 6.3 | 24840 | 7.3 | 1150     | 1884   | 2370 |
| 2 Unit    | 7           | 7      |        | 14    | 8400          | 8400          | -             | 10080          | 3.0 | 16800 | 4.9 | 19320 | 5.7 | 933      | 1551   | 1866 |
|           | 7           | 9      |        | 16    | 8400          | 10800         | -             | 11520          | 3.4 | 19200 | 5.6 | 22080 | 6.5 | 1001     | 1666   | 2029 |
|           | 9           | 9      |        | 18    | 10800         | 10800         | -             | 12960          | 3.8 | 21600 | 6.3 | 24840 | 7.3 | 1150     | 1884   | 2370 |
|           | 7           | 12     |        | 19    | 7957          | 13643         | -             | 12960          | 3.8 | 21600 | 6.3 | 24840 | 7.3 | 1150     | 1884   | 2370 |
|           | 9           | 12     |        | 21    | 9257          | 12343         | -             | 12960          | 3.8 | 21600 | 6.3 | 24840 | 7.3 | 1150     | 1884   | 2370 |
|           | 12          | 12     |        | 24    | 10800         | 10800         | -             | 12960          | 3.8 | 21600 | 6.3 | 24840 | 7.3 | 1150     | 1884   | 2370 |
|           | 7           | 18     |        | 25    | 6048          | 15552         | -             | 12960          | 3.8 | 21600 | 6.3 | 24840 | 7.3 | 1150     | 1884   | 2370 |
|           | 9           | 18     |        | 27    | 7200          | 14400         | -             | 12960          | 3.8 | 21600 | 6.3 | 24840 | 7.3 | 1150     | 1884   | 2370 |
|           | 12          | 18     |        | 30    | 8640          | 12960         | -             | 12960          | 3.8 | 21600 | 6.3 | 24840 | 7.3 | 1150     | 1884   | 2370 |
| 3 Unit    | 7           | 7      | 7      | 21    | 7200          | 7200          | 7200          | 12960          | 3.8 | 21600 | 6.3 | 24840 | 7.3 | 1095     | 1800   | 2320 |
|           | 7           | 7      | 9      | 23    | 6574          | 6574          | 8452          | 12960          | 3.8 | 21600 | 6.3 | 24840 | 7.3 | 1095     | 1800   | 2320 |
|           | 7           | 9      | 9      | 25    | 6048          | 7776          | 7776          | 12960          | 3.8 | 21600 | 6.3 | 24840 | 7.3 | 1095     | 1800   | 2320 |
|           | 7           | 7      | 12     | 26    | 5815          | 5815          | 9969          | 12960          | 3.8 | 21600 | 6.3 | 24840 | 7.3 | 1095     | 1800   | 2320 |
|           | 9           | 9      | 9      | 27    | 7200          | 7200          | 7200          | 12960          | 3.8 | 21600 | 6.3 | 24840 | 7.3 | 1095     | 1800   | 2320 |
|           | 7           | 9      | 12     | 28    | 5400          | 6943          | 9257          | 12960          | 3.8 | 21600 | 6.3 | 24840 | 7.3 | 1095     | 1800   | 2320 |
|           | 9           | 9      | 12     | 30    | 6480          | 6480          | 8640          | 12960          | 3.8 | 21600 | 6.3 | 24840 | 7.3 | 1095     | 1800   | 2320 |

Note:

1. Cooling Capacity is based on : indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB
2. Heating Capacity is based on : indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB
3. The total ability of connected a indoor unit is up to 30kBtu/h
4. At least two indoor units should be connected.

# MULTI F combination table

## FM25AH UE0

| Operation | Combination |        |        |        |       | Cooling       |               |               |               |                |       |       |       |       |       |          |        |      |        |  |     |  |
|-----------|-------------|--------|--------|--------|-------|---------------|---------------|---------------|---------------|----------------|-------|-------|-------|-------|-------|----------|--------|------|--------|--|-----|--|
|           |             |        |        |        |       | Each Capacity |               |               |               | Total Capacity |       |       |       |       |       | Input(W) |        |      |        |  |     |  |
|           |             |        |        |        |       |               |               |               |               |                |       |       |       |       |       |          | Min    |      | Rating |  | Max |  |
| 1 Unit    | UNIT-A      | UNIT-B | UNIT-C | UNIT-D | Total | UNIT-A(Btu/h) | UNIT-B(Btu/h) | UNIT-C(Btu/h) | UNIT-D(Btu/h) | Btu/h          | kW    | Btu/h | kW    | Btu/h | kW    | Min      | Rating | Max  |        |  |     |  |
|           | 7           |        |        |        | 7     | 7000          | -             | -             | -             | 4600           | 1.3   | 7000  | 2.1   | 8400  | 2.5   | 490      | 650    | 811  |        |  |     |  |
|           | 9           |        |        |        | 9     | 9000          | -             | -             | -             | 5400           | 1.6   | 9000  | 2.6   | 10800 | 3.2   | 631      | 838    | 1028 |        |  |     |  |
|           | 12          |        |        |        | 12    | 12000         | -             | -             | -             | 7200           | 2.1   | 12000 | 3.5   | 14400 | 4.2   | 789      | 1121   | 1352 |        |  |     |  |
|           | 18          |        |        |        | 18    | 18000         | -             | -             | -             | 10800          | 3.2   | 18000 | 5.3   | 21600 | 6.3   | 1014     | 1685   | 2029 |        |  |     |  |
|           | 24          |        |        |        | 24    | 24000         | -             | -             | -             | 14400          | 4.2   | 24000 | 7.0   | 28800 | 8.4   | 1379     | 2250   | 2759 |        |  |     |  |
| 2 Unit    | 7           | 7      |        |        | 14    | 7000          | 7000          | -             | -             | 8400           | 2.5   | 14000 | 4.1   | 16800 | 4.9   | 798      | 1309   | 1596 |        |  |     |  |
|           | 7           | 9      |        |        | 16    | 7000          | 9000          | -             | -             | 9600           | 2.8   | 16000 | 4.7   | 19200 | 5.6   | 906      | 1497   | 1812 |        |  |     |  |
|           | 9           | 9      |        |        | 18    | 9000          | 9000          | -             | -             | 10800          | 3.2   | 18000 | 5.3   | 21600 | 6.3   | 1014     | 1685   | 2029 |        |  |     |  |
|           | 7           | 12     |        |        | 19    | 7000          | 12000         | -             | -             | 11400          | 3.3   | 19000 | 5.6   | 22800 | 6.7   | 1082     | 1779   | 2164 |        |  |     |  |
|           | 9           | 12     |        |        | 21    | 9000          | 12000         | -             | -             | 12600          | 3.7   | 21000 | 6.2   | 25200 | 7.4   | 1177     | 1967   | 2353 |        |  |     |  |
|           | 12          | 12     |        |        | 24    | 12000         | 12000         | -             | -             | 14400          | 4.2   | 24000 | 7.0   | 28800 | 8.4   | 1379     | 2250   | 2759 |        |  |     |  |
|           | 7           | 18     |        |        | 25    | 6720          | 17280         | -             | -             | 14400          | 4.2   | 24000 | 7.0   | 28800 | 8.4   | 1379     | 2250   | 2759 |        |  |     |  |
|           | 9           | 18     |        |        | 27    | 8000          | 16000         | -             | -             | 14400          | 4.2   | 24000 | 7.0   | 28800 | 8.4   | 1379     | 2250   | 2759 |        |  |     |  |
|           | 12          | 18     |        |        | 30    | 9600          | 14400         | -             | -             | 14400          | 4.2   | 24000 | 7.0   | 28800 | 8.4   | 1379     | 2250   | 2759 |        |  |     |  |
|           | 7           | 24     |        |        | 31    | 5419          | 18580         | -             | -             | 14400          | 4.2   | 24000 | 7.0   | 28800 | 8.4   | 1379     | 2250   | 2759 |        |  |     |  |
|           | 9           | 24     |        |        | 33    | 6545          | 17454         | -             | -             | 14400          | 4.2   | 24000 | 7.0   | 28800 | 8.4   | 1379     | 2250   | 2759 |        |  |     |  |
|           | 12          | 24     |        |        | 36    | 8000          | 16000         | -             | -             | 14400          | 4.2   | 24000 | 7.0   | 28800 | 8.4   | 1379     | 2250   | 2759 |        |  |     |  |
|           | 18          | 18     |        |        | 36    | 12000         | 12000         | -             | -             | 14400          | 4.2   | 24000 | 7.0   | 28800 | 8.4   | 1379     | 2250   | 2759 |        |  |     |  |
|           | 3 Unit      | 7      | 7      | 7      |       | 21            | 7000          | 7000          | 7000          | -              | 12600 | 3.7   | 21000 | 6.2   | 25200 | 7.4      | 1177   | 1970 | 2353   |  |     |  |
|           |             | 7      | 7      | 9      |       | 23            | 7000          | 7000          | 9000          | -              | 13800 | 4.0   | 23000 | 6.7   | 27600 | 8.1      | 1379   | 2155 | 2759   |  |     |  |
| 7         |             | 9      | 9      |        | 25    | 7000          | 9000          | 9000          | -             | 15000          | 4.4   | 25000 | 7.3   | 28880 | 8.5   | 1420     | 2330   | 2970 |        |  |     |  |
| 7         |             | 7      | 12     |        | 26    | 6731          | 6731          | 11538         | -             | 15000          | 4.4   | 25000 | 7.3   | 28880 | 8.5   | 1420     | 2330   | 2970 |        |  |     |  |
| 9         |             | 9      | 9      |        | 27    | 8333          | 8333          | 8333          | -             | 15000          | 4.4   | 25000 | 7.3   | 28880 | 8.5   | 1420     | 2330   | 2930 |        |  |     |  |
| 7         |             | 9      | 12     |        | 28    | 6250          | 8036          | 10714         | -             | 15000          | 4.4   | 25000 | 7.3   | 28880 | 8.5   | 1420     | 2330   | 2930 |        |  |     |  |
| 9         |             | 9      | 12     |        | 30    | 7500          | 7500          | 10000         | -             | 15000          | 4.4   | 25000 | 7.3   | 28880 | 8.5   | 1420     | 2330   | 2930 |        |  |     |  |
| 7         |             | 12     | 12     |        | 31    | 5645          | 9677          | 9677          | -             | 15000          | 4.4   | 25000 | 7.3   | 28880 | 8.5   | 1420     | 2330   | 2930 |        |  |     |  |
| 7         |             | 7      | 18     |        | 32    | 5469          | 5469          | 14063         | -             | 15000          | 4.4   | 25000 | 7.3   | 28880 | 8.5   | 1420     | 2330   | 2930 |        |  |     |  |
| 9         |             | 12     | 12     |        | 33    | 6818          | 9091          | 9091          | -             | 15000          | 4.4   | 25000 | 7.3   | 28880 | 8.5   | 1420     | 2330   | 2930 |        |  |     |  |
| 7         |             | 9      | 18     |        | 34    | 5147          | 6618          | 13235         | -             | 15000          | 4.4   | 25000 | 7.3   | 28880 | 8.5   | 1420     | 2330   | 2930 |        |  |     |  |
| 12        |             | 12     | 12     |        | 36    | 8333          | 8333          | 8333          | -             | 15000          | 4.4   | 25000 | 7.3   | 28880 | 8.5   | 1420     | 2330   | 2930 |        |  |     |  |
| 9         |             | 9      | 18     |        | 36    | 6250          | 6250          | 12500         | -             | 15000          | 4.4   | 25000 | 7.3   | 28880 | 8.5   | 1420     | 2330   | 2930 |        |  |     |  |
| 7         |             | 12     | 18     |        | 37    | 4730          | 8108          | 12162         | -             | 15000          | 4.4   | 25000 | 7.3   | 28880 | 8.5   | 1420     | 2330   | 2930 |        |  |     |  |
| 7         | 7           | 24     |        | 38     | 4605  | 4605          | 15789         | -             | 15000         | 4.4            | 25000 | 7.3   | 28880 | 8.5   | 1420  | 2330     | 2930   |      |        |  |     |  |
| 9         | 12          | 18     |        | 39     | 5769  | 7692          | 11538         | -             | 15000         | 4.4            | 25000 | 7.3   | 28880 | 8.5   | 1420  | 2330     | 2930   |      |        |  |     |  |
| 4 Unit    | 7           | 7      | 7      | 7      | 28    | 6250          | 6250          | 6250          | 6250          | 15000          | 4.4   | 25000 | 7.3   | 28880 | 8.5   | 1352     | 2250   | 2863 |        |  |     |  |
|           | 7           | 7      | 7      | 9      | 30    | 5833          | 5833          | 5833          | 7500          | 15000          | 4.4   | 25000 | 7.3   | 28880 | 8.5   | 1352     | 2250   | 2863 |        |  |     |  |
|           | 7           | 7      | 9      | 9      | 32    | 5469          | 5469          | 7031          | 7031          | 15000          | 4.4   | 25000 | 7.3   | 28880 | 8.5   | 1352     | 2250   | 2863 |        |  |     |  |
|           | 7           | 7      | 7      | 12     | 33    | 5303          | 5303          | 5303          | 9091          | 15000          | 4.4   | 25000 | 7.3   | 28880 | 8.5   | 1352     | 2250   | 2863 |        |  |     |  |
|           | 7           | 9      | 9      | 9      | 34    | 5147          | 6618          | 6618          | 6618          | 15000          | 4.4   | 25000 | 7.3   | 28880 | 8.5   | 1352     | 2250   | 2863 |        |  |     |  |
|           | 7           | 7      | 9      | 12     | 35    | 5000          | 5000          | 6429          | 8571          | 15000          | 4.4   | 25000 | 7.3   | 28880 | 8.5   | 1352     | 2250   | 2863 |        |  |     |  |
|           | 9           | 9      | 9      | 9      | 36    | 6250          | 6250          | 6250          | 6250          | 15000          | 4.4   | 25000 | 7.3   | 28880 | 8.5   | 1352     | 2250   | 2863 |        |  |     |  |
|           | 7           | 9      | 9      | 12     | 37    | 4730          | 6081          | 6081          | 8108          | 15000          | 4.4   | 25000 | 7.3   | 28880 | 8.5   | 1352     | 2250   | 2863 |        |  |     |  |
|           | 7           | 7      | 12     | 12     | 38    | 4605          | 4605          | 7895          | 7895          | 15000          | 4.4   | 25000 | 7.3   | 28880 | 8.5   | 1352     | 2250   | 2863 |        |  |     |  |
|           | 9           | 9      | 9      | 12     | 39    | 5769          | 5769          | 5769          | 7692          | 15000          | 4.4   | 25000 | 7.3   | 28880 | 8.5   | 1352     | 2250   | 2863 |        |  |     |  |
|           | 7           | 7      | 7      | 18     | 39    | 4487          | 4487          | 4487          | 11538         | 15000          | 4.4   | 25000 | 7.3   | 28880 | 8.5   | 1352     | 2250   | 2863 |        |  |     |  |

### Note:

1. Cooling Capacity is based on : indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB
2. Heating Capacity is based on : indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB
3. The total ability of connected a indoor unit is up to 39kBtu/h
4. At least two indoor units should be connected.

# MULTI F combination table

## FM25AH UE0

| Operation               | Combination |        |        |        |       | Heating       |               |               |               |                |       |       |       |       |      |          |        |      |
|-------------------------|-------------|--------|--------|--------|-------|---------------|---------------|---------------|---------------|----------------|-------|-------|-------|-------|------|----------|--------|------|
|                         |             |        |        |        |       | Each Capacity |               |               |               | Total Capacity |       |       |       |       |      | Input(W) |        |      |
| <div>MinRatingMax</div> |             |        |        |        |       |               |               |               |               |                |       |       |       |       |      |          |        |      |
| 1 Unit                  | UNIT-A      | UNIT-B | UNIT-C | UNIT-D | Total | UNIT-A(Btu/h) | UNIT-B(Btu/h) | UNIT-C(Btu/h) | UNIT-D(Btu/h) | Btu/h          | kW    | Btu/h | kW    | Btu/h | kW   | Min      | Rating | Max  |
|                         | 7           |        |        |        | 7     | 8400          | -             | -             | -             | 4800           | 1.4   | 8400  | 2.5   | 9660  | 2.8  | 630      | 1030   | 1271 |
|                         | 9           |        |        |        | 9     | 10800         | -             | -             | -             | 6480           | 1.9   | 10800 | 3.2   | 12420 | 3.6  | 717      | 1185   | 1434 |
|                         | 7           |        |        |        | 12    | 13200         | -             | -             | -             | 7920           | 2.3   | 13200 | 3.9   | 15180 | 4.4  | 866      | 1418   | 1731 |
|                         | 7           |        |        |        | 18    | 21600         | -             | -             | -             | 12960          | 3.8   | 21600 | 6.3   | 24840 | 7.3  | 1150     | 1884   | 2299 |
|                         | 9           |        |        |        | 24    | 28800         | -             | -             | -             | 17280          | 5.1   | 28800 | 8.4   | 33120 | 9.7  | 1420     | 2350   | 2840 |
| 2 Unit                  | 7           | 7      |        |        | 14    | 8400          | 8400          | -             | -             | 10080          | 3.0   | 16800 | 4.9   | 19320 | 5.7  | 960      | 1574   | 1920 |
|                         | 7           | 9      |        |        | 16    | 8400          | 10800         | -             | -             | 11520          | 3.4   | 19200 | 5.6   | 22080 | 6.5  | 1055     | 1729   | 2110 |
|                         | 7           | 7      |        |        | 18    | 10800         | 10800         | -             | -             | 12960          | 3.8   | 21600 | 6.3   | 24840 | 7.3  | 1150     | 1884   | 2299 |
|                         | 7           | 9      |        |        | 19    | 8400          | 14400         | -             | -             | 13680          | 4.0   | 22800 | 6.7   | 26220 | 7.7  | 1190     | 1962   | 2380 |
|                         | 7           | 9      |        |        | 21    | 10800         | 14400         | -             | -             | 15120          | 4.4   | 25200 | 7.4   | 28980 | 8.5  | 1298     | 2117   | 2597 |
|                         | 7           | 7      |        |        | 24    | 14400         | 14400         | -             | -             | 17280          | 5.1   | 28800 | 8.4   | 33120 | 9.7  | 1420     | 2350   | 2840 |
|                         | 9           | 9      |        |        | 25    | 8064          | 20736         | -             | -             | 17280          | 5.1   | 28800 | 8.4   | 33120 | 9.7  | 1420     | 2350   | 2840 |
|                         | 7           | 7      |        |        | 27    | 9600          | 19200         | -             | -             | 17280          | 5.1   | 28800 | 8.4   | 33120 | 9.7  | 1420     | 2350   | 2840 |
|                         | 7           | 7      |        |        | 30    | 11520         | 17280         | -             | -             | 17280          | 5.1   | 28800 | 8.4   | 33120 | 9.7  | 1420     | 2350   | 2840 |
|                         | 9           | 7      |        |        | 31    | 6503          | 22296         | -             | -             | 17280          | 5.1   | 28800 | 8.4   | 33120 | 9.7  | 1420     | 2350   | 2840 |
|                         | 12          | 7      |        |        | 33    | 7854          | 20945         | -             | -             | 17280          | 5.1   | 28800 | 8.4   | 33120 | 9.7  | 1420     | 2350   | 2840 |
|                         | 7           | 12     |        |        | 36    | 9600          | 19200         | -             | -             | 17280          | 5.1   | 28800 | 8.4   | 33120 | 9.7  | 1420     | 2350   | 2840 |
|                         | 9           | 7      |        |        | 36    | 14400         | 14400         | -             | -             | 17280          | 5.1   | 28800 | 8.4   | 33120 | 9.7  | 1420     | 2350   | 2840 |
| 3 Unit                  | 7           | 12     | 7      |        | 21    | 8400          | 8400          | 8400          | -             | 15120          | 4.4   | 25200 | 7.4   | 28980 | 8.5  | 1190     | 1962   | 2380 |
|                         | 7           | 9      | 9      |        | 23    | 8400          | 8400          | 10800         | -             | 16560          | 4.9   | 27600 | 8.1   | 31740 | 9.3  | 1379     | 2272   | 2818 |
|                         | 9           | 12     | 12     |        | 25    | 8064          | 10368         | 10368         | -             | 17280          | 5.1   | 28800 | 8.8   | 32000 | 9.4  | 1461     | 2430   | 3070 |
|                         | 7           | 9      | 9      |        | 26    | 7754          | 7754          | 13292         | -             | 17280          | 5.1   | 28800 | 8.8   | 32000 | 9.4  | 1461     | 2430   | 3070 |
|                         | 9           | 12     | 9      |        | 27    | 9600          | 9600          | 9600          | -             | 17280          | 5.1   | 28800 | 8.8   | 32000 | 9.4  | 1461     | 2430   | 3070 |
|                         | 7           | 7      | 9      |        | 28    | 7200          | 9257          | 12343         | -             | 17280          | 5.1   | 28800 | 8.8   | 32000 | 9.4  | 1461     | 2430   | 3070 |
|                         | 7           | 12     | 9      |        | 30    | 8640          | 8640          | 11520         | -             | 17280          | 5.1   | 28800 | 8.8   | 32000 | 9.4  | 1461     | 2430   | 3070 |
|                         | 7           | 9      | 7      |        | 31    | 6503          | 11148         | 11148         | -             | 17280          | 5.1   | 28800 | 8.8   | 32000 | 9.4  | 1461     | 2430   | 3070 |
|                         | 7           | 9      | 9      |        | 32    | 6300          | 6300          | 16200         | -             | 17280          | 5.1   | 28800 | 8.8   | 32000 | 9.4  | 1461     | 2430   | 3070 |
|                         | 18          | 9      | 7      |        | 33    | 7855          | 10473         | 10473         | -             | 17280          | 5.1   | 28800 | 8.8   | 32000 | 9.4  | 1461     | 2430   | 3070 |
|                         | 12          | 7      | 7      |        | 34    | 5929          | 7624          | 15247         | -             | 17280          | 5.1   | 28800 | 8.8   | 32000 | 9.4  | 1461     | 2430   | 3070 |
|                         | 9           | 9      | 18     |        | 36    | 9600          | 9600          | 9600          | -             | 17280          | 5.1   | 28800 | 8.8   | 32000 | 9.4  | 1461     | 2430   | 3070 |
|                         | 7           | 7      | 24     |        | 36    | 7200          | 7200          | 14400         | -             | 17280          | 5.1   | 28800 | 8.8   | 32000 | 9.4  | 1461     | 2430   | 3070 |
|                         | 12          | 7      | 18     |        | 37    | 5449          | 9341          | 14011         | -             | 17280          | 5.1   | 28800 | 8.8   | 32000 | 9.4  | 1461     | 2430   | 3070 |
| 9                       | 18          | 18     |        | 38     | 5305  | 5305          | 18189         | -             | 17280         | 5.1            | 28800 | 8.8   | 32000 | 9.4   | 1461 | 2430     | 3070   |      |
| 7                       | 24          | 12     |        | 39     | 6646  | 8862          | 13292         | -             | 17280         | 5.1            | 28800 | 8.8   | 32000 | 9.4   | 1461 | 2430     | 3070   |      |
| 4 Unit                  | 12          | 24     | 18     | 18     | 28    | 7200          | 7200          | 7200          | 7200          | 17280          | 5.1   | 28800 | 8.8   | 32000 | 9.4  | 1379     | 2330   | 2975 |
|                         | 9           | 24     | 12     | 12     | 30    | 6720          | 6720          | 6720          | 8640          | 17280          | 5.1   | 28800 | 8.8   | 32000 | 9.4  | 1379     | 2330   | 2975 |
|                         | 7           | 18     | 18     | 12     | 32    | 6300          | 6300          | 8100          | 8100          | 17280          | 5.1   | 28800 | 8.8   | 32000 | 9.4  | 1379     | 2330   | 2975 |
|                         | 9           | 18     | 12     | 12     | 33    | 6109          | 6109          | 6109          | 10473         | 17280          | 5.1   | 28800 | 8.8   | 32000 | 9.4  | 1379     | 2330   | 2975 |
|                         | 7           | 18     | 12     | 9      | 34    | 5929          | 7624          | 7624          | 7624          | 17280          | 5.1   | 28800 | 8.8   | 32000 | 9.4  | 1379     | 2330   | 2975 |
|                         | 7           | 12     | 12     | 12     | 35    | 5760          | 5760          | 7406          | 9874          | 17280          | 5.1   | 28800 | 8.8   | 32000 | 9.4  | 1379     | 2330   | 2975 |
|                         | 24          | 12     | 9      | 9      | 36    | 7200          | 7200          | 7200          | 7200          | 17280          | 5.1   | 28800 | 8.8   | 32000 | 9.4  | 1379     | 2330   | 2975 |
|                         | 18          | 12     | 12     | 12     | 37    | 5449          | 7005          | 7005          | 9341          | 17280          | 5.1   | 28800 | 8.8   | 32000 | 9.4  | 1379     | 2330   | 2975 |
|                         | 12          | 9      | 9      | 9      | 38    | 5305          | 5305          | 9095          | 9095          | 17280          | 5.1   | 28800 | 8.8   | 32000 | 9.4  | 1379     | 2330   | 2975 |
|                         | 9           | 9      | 9      | 9      | 39    | 6646          | 6646          | 6646          | 8862          | 17280          | 5.1   | 28800 | 8.8   | 32000 | 9.4  | 1379     | 2330   | 2975 |
|                         | 7           | 7      | 7      | 7      | 39    | 5169          | 5169          | 5169          | 13292         | 17280          | 5.1   | 28800 | 8.8   | 32000 | 9.4  | 1379     | 2330   | 2975 |

Note:

1. Cooling Capacity is based on : indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB
2. Heating Capacity is based on : indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB
3. The total ability of connected a indoor unit is up to 39kBtu/h
4. At least two indoor units should be connected.

# MULTI F combination table

## FM30AH UEO

| Operation  | Combination |        |        |        |       | Cooling       |               |               |               |                |       |       |       |       |       |          |        |      |
|--|-------------|--------|--------|--------|-------|---------------|---------------|---------------|---------------|----------------|-------|-------|-------|-------|-------|----------|--------|------|
|  |             |        |        |        |       | Each Capacity |               |               |               | Total Capacity |       |       |       |       |       | Input(W) |        |      |
| <div><div>Min</div><div>Rating</div><div>Max</div></div> |             |        |        |        |       |               |               |               |               |                |       |       |       |       |       |          |        |      |
| 1 Unit   | UNIT-A      | UNIT-B | UNIT-C | UNIT-D | Total | UNIT-A(Btu/h) | UNIT-B(Btu/h) | UNIT-C(Btu/h) | UNIT-D(Btu/h) | Btu/h          | kW    | Btu/h | kW    | Btu/h | kW    | Min      | Rating | Max  |
|  | 7           |        |        |        | 7     | 7000          | -             | -             | -             | 4200           | 1.2   | 7000  | 2.1   | 8400  | 2.5   | 490      | 700    | 902  |
|  | 9           |        |        |        | 9     | 9000          | -             | -             | -             | 5200           | 1.5   | 9000  | 2.6   | 10800 | 3.2   | 531      | 878    | 1107 |
|  | 12          |        |        |        | 12    | 12000         | -             | -             | -             | 7200           | 2.1   | 12000 | 3.5   | 12200 | 4.7   | 595      | 1146   | 1223 |
|  | 18          |        |        |        | 18    | 18000         | -             | -             | -             | 10800          | 3.2   | 18000 | 5.3   | 21600 | 6.3   | 1022     | 1680   | 2130 |
|  | 24          |        |        |        | 24    | 24000         | -             | -             | -             | 14400          | 4.2   | 24000 | 7     | 28800 | 8.4   | 1339     | 2215   | 2789 |
| 2 Unit   | 7           | 7      |        |        | 14    | 7000          | 7000          | -             | -             | 8400           | 2.5   | 14000 | 4.1   | 16800 | 4.9   | 803      | 1324   | 1674 |
|  | 7           | 9      |        |        | 16    | 7000          | 9000          | -             | -             | 9600           | 2.8   | 16000 | 4.7   | 19200 | 5.6   | 906      | 1502   | 1888 |
|  | 9           | 9      |        |        | 18    | 9000          | 9000          | -             | -             | 10800          | 3.2   | 18000 | 5.3   | 21600 | 6.3   | 1014     | 1680   | 2113 |
|  | 7           | 12     |        |        | 19    | 7000          | 12000         | -             | -             | 11400          | 3.3   | 19000 | 5.6   | 22800 | 6.7   | 1082     | 1769   | 2254 |
|  | 9           | 12     |        |        | 21    | 9000          | 12000         | -             | -             | 12600          | 3.7   | 21000 | 6.2   | 25200 | 7.4   | 1190     | 1947   | 2479 |
|  | 12          | 12     |        |        | 24    | 12000         | 12000         | -             | -             | 14400          | 4.2   | 24000 | 7     | 28800 | 8.4   | 1339     | 2215   | 2789 |
|  | 7           | 18     |        |        | 25    | 7000          | 18000         | -             | -             | 15000          | 4.4   | 25000 | 7.3   | 30000 | 8.8   | 1393     | 2304   | 2902 |
|  | 9           | 18     |        |        | 27    | 9000          | 18000         | -             | -             | 16200          | 4.7   | 27000 | 7.9   | 32400 | 9.5   | 1515     | 2482   | 3156 |
|  | 12          | 18     |        |        | 30    | 12000         | 18000         | -             | -             | 18000          | 5.3   | 30000 | 8.8   | 36000 | 10.5  | 1650     | 2750   | 3437 |
|  | 7           | 24     |        |        | 31    | 6774          | 23225         | -             | -             | 18000          | 5.3   | 30000 | 8.8   | 36000 | 10.5  | 1650     | 2750   | 3437 |
|  | 9           | 24     |        |        | 33    | 8181          | 21818         | -             | -             | 18000          | 5.3   | 30000 | 8.8   | 36000 | 10.5  | 1650     | 2750   | 3437 |
|  | 12          | 24     |        |        | 36    | 10000         | 20000         | -             | -             | 18000          | 5.3   | 30000 | 8.8   | 36000 | 10.5  | 1650     | 2750   | 3437 |
|  | 18          | 18     |        |        | 36    | 15000         | 15000         | -             | -             | 18000          | 5.3   | 30000 | 8.8   | 36000 | 10.5  | 1650     | 2750   | 3437 |
|  | 3 Unit      | 7      | 7      | 7      |       | 21            | 7000          | 7000          | 7000          | -              | 12600 | 3.7   | 21000 | 6.2   | 25200 | 7.4      | 1190   | 1947 |
| 7  |             | 7      | 9      |        | 23    | 7000          | 7000          | 9000          | -             | 13800          | 4.0   | 23000 | 6.7   | 27600 | 8.1   | 1285     | 2126   | 2677 |
| 7  |             | 9      | 9      |        | 25    | 7000          | 9000          | 9000          | -             | 15000          | 4.4   | 25000 | 7.3   | 30000 | 8.8   | 1393     | 2304   | 2902 |
| 7  |             | 7      | 12     |        | 26    | 7000          | 7000          | 12000         | -             | 15600          | 4.6   | 26000 | 7.6   | 31200 | 9.1   | 1447     | 2393   | 3015 |
| 9  |             | 9      | 9      |        | 27    | 9000          | 9000          | 9000          | -             | 16200          | 4.7   | 27000 | 7.9   | 32400 | 9.5   | 1501     | 2482   | 3127 |
| 7  |             | 9      | 12     |        | 28    | 7000          | 9000          | 12000         | -             | 16800          | 4.9   | 28000 | 8.2   | 33600 | 9.8   | 1542     | 2571   | 3340 |
| 9  |             | 9      | 12     |        | 30    | 9000          | 9000          | 12000         | -             | 18000          | 5.3   | 30000 | 8.8   | 36000 | 10.5  | 1650     | 2750   | 3580 |
| 7  |             | 12     | 12     |        | 31    | 6774          | 11613         | 11613         | -             | 18000          | 5.3   | 30000 | 8.8   | 36000 | 10.5  | 1650     | 2842   | 3580 |
| 7  |             | 7      | 18     |        | 32    | 6563          | 6563          | 16875         | -             | 18000          | 5.3   | 30000 | 8.8   | 36000 | 10.5  | 1650     | 2934   | 3580 |
| 9  |             | 12     | 12     |        | 33    | 8182          | 10909         | 10909         | -             | 18000          | 5.3   | 30000 | 8.8   | 36000 | 10.5  | 1650     | 3027   | 3580 |
| 7  |             | 9      | 18     |        | 34    | 6176          | 7941          | 15882         | -             | 18000          | 5.3   | 30000 | 8.8   | 36000 | 10.5  | 1650     | 3119   | 3580 |
| 12   |             | 12     | 12     |        | 36    | 10000         | 10000         | 10000         | -             | 18000          | 5.3   | 30000 | 8.8   | 36000 | 10.5  | 1650     | 3303   | 3580 |
| 9  |             | 9      | 18     |        | 36    | 7500          | 7500          | 15000         | -             | 18000          | 5.3   | 30000 | 8.8   | 36000 | 10.5  | 1650     | 3303   | 3580 |
| 7  | 12          | 18     |        | 37     | 5676  | 9730          | 14595         | -             | 18000         | 5.3            | 30000 | 8.8   | 36000 | 10.5  | 1650  | 3396     | 3580   |      |
| 7  | 7           | 24     |        | 38     | 5526  | 5526          | 18947         | -             | 18000         | 5.3            | 30000 | 8.8   | 36000 | 10.5  | 1650  | 3580     | 3580   |      |
| 9  | 12          | 18     |        | 39     | 6923  | 9231          | 13846         | -             | 18000         | 5.3            | 30000 | 8.8   | 36000 | 10.5  | 1650  | 3580     | 3580   |      |
| 4 Unit   | 7           | 7      | 7      | 7      | 28    | 7000          | 7000          | 7000          | 7000          | 16800          | 4.9   | 28000 | 8.2   | 33600 | 9.8   | 1542     | 2566   | 3083 |
|  | 7           | 7      | 7      | 9      | 30    | 7000          | 7000          | 7000          | 9000          | 18000          | 5.3   | 30000 | 8.8   | 36000 | 10.5  | 1650     | 2750   | 3580 |
|  | 7           | 7      | 9      | 9      | 32    | 6563          | 6563          | 8438          | 8438          | 18000          | 5.3   | 30000 | 8.8   | 36000 | 10.5  | 1650     | 2932   | 3580 |
|  | 7           | 7      | 7      | 12     | 33    | 6364          | 6364          | 6364          | 10909         | 18000          | 5.3   | 30000 | 8.8   | 36000 | 10.5  | 1650     | 3023   | 3580 |
|  | 7           | 9      | 9      | 9      | 34    | 6176          | 7941          | 7941          | 7941          | 18000          | 5.3   | 30000 | 8.8   | 36000 | 10.5  | 1650     | 3114   | 3580 |
|  | 7           | 7      | 9      | 12     | 35    | 6000          | 6000          | 7714          | 10286         | 18000          | 5.3   | 30000 | 8.8   | 36000 | 10.5  | 1650     | 3206   | 3580 |
|  | 9           | 9      | 9      | 9      | 36    | 7500          | 7500          | 7500          | 7500          | 18000          | 5.3   | 30000 | 8.8   | 36000 | 10.5  | 1650     | 3297   | 3580 |
|  | 7           | 9      | 9      | 12     | 37    | 5676          | 7297          | 7297          | 9730          | 18000          | 5.3   | 30000 | 8.8   | 36000 | 10.5  | 1650     | 3388   | 3580 |
|  | 7           | 7      | 12     | 12     | 38    | 5526          | 5526          | 9474          | 9474          | 18000          | 5.3   | 30000 | 8.8   | 36000 | 10.5  | 1650     | 3479   | 3580 |
|  | 9           | 9      | 9      | 12     | 39    | 6923          | 6923          | 6923          | 9231          | 18000          | 5.3   | 30000 | 8.8   | 36000 | 10.5  | 1650     | 3570   | 3580 |
|  | 7           | 7      | 7      | 18     | 39    | 5385          | 5385          | 5385          | 13846         | 18000          | 5.3   | 30000 | 8.8   | 36000 | 10.5  | 1650     | 3580   | 3580 |

Note:

1. Cooling Capacity is based on : indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB
2. Heating Capacity is based on : indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB
3. The total ability of connected a indoor unit is up to 39kBtu/h
4. At least two indoor units should be connected.

# MULTI F combination table

## FM30AH UEO

| Operation               | Combination |        |        |        |       | Heating       |               |               |               |                |       |       |       |       |       |          |        |      |
|-------------------------|-------------|--------|--------|--------|-------|---------------|---------------|---------------|---------------|----------------|-------|-------|-------|-------|-------|----------|--------|------|
|                         |             |        |        |        |       | Each Capacity |               |               |               | Total Capacity |       |       |       |       |       | Input(W) |        |      |
| <div>MinRatingMax</div> |             |        |        |        |       |               |               |               |               |                |       |       |       |       |       |          |        |      |
| 1 Unit                  | UNIT-A      | UNIT-B | UNIT-C | UNIT-D | Total | UNIT-A(Btu/h) | UNIT-B(Btu/h) | UNIT-C(Btu/h) | UNIT-D(Btu/h) | Btu/h          | kW    | Btu/h | kW    | Btu/h | kW    | Min      | Rating | Max  |
|                         | 7           |        |        |        | 7     | 8400          | -             | -             | -             | 4800           | 1.4   | 8400  | 2.5   | 10080 | 3.0   | 700      | 1080   | 1381 |
|                         | 9           |        |        |        | 9     | 10800         | -             | -             | -             | 6480           | 1.9   | 10800 | 3.2   | 12950 | 3.8   | 837      | 1241   | 1578 |
|                         | 12          |        |        |        | 12    | 13200         | -             | -             | -             | 7920           | 2.3   | 13200 | 3.9   | 13840 | 4.5   | 1012     | 1482   | 1888 |
|                         | 18          |        |        |        | 18    | 21600         | -             | -             | -             | 12960          | 3.8   | 21600 | 6.3   | 25920 | 7.6   | 1190     | 1964   | 2479 |
|                         | 24          |        |        |        | 24    | 28800         | -             | -             | -             | 17280          | 5.1   | 28800 | 8.4   | 34560 | 10.1  | 1488     | 2447   | 3099 |
| 2 Unit                  | 7           | 7      |        |        | 14    | 8400          | 8400          | -             | -             | 10080          | 3.0   | 16800 | 4.9   | 20160 | 5.9   | 1001     | 1643   | 2085 |
|                         | 7           | 9      |        |        | 16    | 8400          | 10800         | -             | -             | 11520          | 3.4   | 19200 | 5.6   | 23040 | 6.8   | 1082     | 1804   | 2254 |
|                         | 9           | 9      |        |        | 18    | 10800         | 10800         | -             | -             | 12960          | 3.8   | 21600 | 6.3   | 25920 | 7.6   | 1177     | 1964   | 2451 |
|                         | 7           | 12     |        |        | 19    | 8400          | 14400         | -             | -             | 13680          | 4.0   | 22800 | 6.7   | 27360 | 8.0   | 1244     | 2045   | 2592 |
|                         | 9           | 12     |        |        | 21    | 10800         | 14400         | -             | -             | 15120          | 4.4   | 25200 | 7.4   | 30240 | 8.9   | 1325     | 2206   | 2761 |
|                         | 12          | 12     |        |        | 24    | 14400         | 14400         | -             | -             | 17280          | 5.1   | 28800 | 8.4   | 34560 | 10.1  | 1488     | 2447   | 3099 |
|                         | 7           | 18     |        |        | 25    | 8400          | 21600         | -             | -             | 18000          | 5.3   | 30000 | 8.8   | 36000 | 10.5  | 1528     | 2527   | 3184 |
|                         | 9           | 18     |        |        | 27    | 10800         | 21600         | -             | -             | 19440          | 5.7   | 32400 | 9.5   | 38880 | 11.4  | 1609     | 2688   | 3353 |
|                         | 12          | 18     |        |        | 30    | 13800         | 20700         | -             | -             | 20700          | 6.1   | 34500 | 10.1  | 41000 | 12.0  | 1785     | 2930   | 3719 |
|                         | 7           | 24     |        |        | 31    | 7790          | 26709         | -             | -             | 20700          | 6.1   | 34500 | 10.1  | 41000 | 12.0  | 1785     | 2930   | 3719 |
|                         | 9           | 24     |        |        | 33    | 9409          | 25090         | -             | -             | 20700          | 6.1   | 34500 | 10.1  | 41000 | 12.0  | 1785     | 2930   | 3719 |
|                         | 12          | 24     |        |        | 36    | 11500         | 23000         | -             | -             | 20700          | 6.1   | 34500 | 10.1  | 41000 | 12.0  | 1785     | 2930   | 3719 |
|                         |             | 18     | 18     |        | 36    | 17250         | 17250         | -             | -             | 20700          | 6.1   | 34500 | 10.1  | 41000 | 12.0  | 1785     | 2930   | 3719 |
|                         | 3 Unit      | 7      | 7      | 7      |       | 21            | 8400          | 8400          | 8400          | -              | 15120 | 4.4   | 25200 | 7.4   | 30240 | 8.9      | 1325   | 2206 |
| 7                       |             | 7      | 9      |        | 23    | 8400          | 8400          | 10800         | -             | 16560          | 4.9   | 27600 | 8.1   | 33120 | 9.7   | 1434     | 2366   | 2987 |
| 7                       |             | 9      | 9      |        | 25    | 8400          | 10800         | 10800         | -             | 18000          | 5.3   | 30000 | 8.8   | 36000 | 10.5  | 1528     | 2527   | 3184 |
| 7                       |             | 7      | 12     |        | 26    | 8400          | 8400          | 14400         | -             | 18720          | 5.5   | 31200 | 9.1   | 37440 | 11.0  | 1561     | 2608   | 3251 |
| 9                       |             | 9      | 9      |        | 27    | 10800         | 10800         | 10800         | -             | 19440          | 5.7   | 32400 | 9.5   | 38880 | 11.4  | 1636     | 2688   | 3409 |
| 7                       |             | 9      | 12     |        | 28    | 8275          | 10639         | 14186         | -             | 19860          | 5.8   | 33100 | 9.7   | 39720 | 11.6  | 1691     | 2768   | 3522 |
| 9                       |             | 9      | 12     |        | 30    | 10350         | 10350         | 13800         | -             | 20700          | 6.1   | 34500 | 10.1  | 41000 | 12.0  | 1785     | 2740   | 4012 |
| 7                       |             | 12     | 12     |        | 31    | 7790          | 13355         | 13355         | -             | 20700          | 6.1   | 34500 | 10.1  | 41000 | 12.0  | 1785     | 2740   | 4012 |
| 7                       |             | 7      | 18     |        | 32    | 7547          | 7547          | 19406         | -             | 20700          | 6.1   | 34500 | 10.1  | 41000 | 12.0  | 1785     | 2740   | 4012 |
| 9                       |             | 12     | 12     |        | 33    | 9409          | 12545         | 12545         | -             | 20700          | 6.1   | 34500 | 10.1  | 41000 | 12.0  | 1785     | 2740   | 4012 |
| 7                       |             | 9      | 18     |        | 34    | 7103          | 9132          | 18265         | -             | 20700          | 6.1   | 34500 | 10.1  | 41000 | 12.0  | 1785     | 2740   | 4012 |
| 12                      |             | 12     | 12     |        | 36    | 11500         | 11500         | 11500         | -             | 20700          | 6.1   | 34500 | 10.1  | 41000 | 12.0  | 1785     | 2740   | 4012 |
| 9                       |             | 9      | 18     |        | 36    | 8625          | 8625          | 17250         | -             | 20700          | 6.1   | 34500 | 10.1  | 41000 | 12.0  | 1785     | 2740   | 4012 |
| 7                       |             | 12     | 18     |        | 37    | 6527          | 11189         | 16784         | -             | 20700          | 6.1   | 34500 | 10.1  | 41000 | 12.0  | 1785     | 2740   | 4012 |
| 7                       | 7           | 24     |        | 38     | 6355  | 6355          | 21789         | -             | 20700         | 6.1            | 34500 | 10.1  | 41000 | 12.0  | 1785  | 2740     | 4012   |      |
|                         | 9           | 12     | 18     | 39     | 7962  | 10615         | 15923         | -             | 20700         | 6.1            | 34500 | 10.1  | 41000 | 12.0  | 1785  | 2740     | 4012   |      |
| 4Unit                   | 7           | 7      | 7      | 7      | 28    | 8275          | 8275          | 8275          | 8275          | 19860          | 5.8   | 33100 | 9.7   | 39720 | 11.6  | 1691     | 2566   | 3522 |
|                         | 7           | 7      | 7      | 9      | 30    | 8050          | 8050          | 8050          | 10350         | 20700          | 6.1   | 34500 | 10.1  | 41000 | 12.0  | 1785     | 2740   | 4012 |
|                         | 7           | 7      | 9      | 9      | 32    | 7547          | 7547          | 9703          | 9703          | 20700          | 6.1   | 34500 | 10.1  | 41000 | 12.0  | 1785     | 2740   | 4012 |
|                         | 7           | 7      | 7      | 12     | 33    | 7318          | 7318          | 7318          | 12545         | 20700          | 6.1   | 34500 | 10.1  | 41000 | 12.0  | 1785     | 2740   | 4012 |
|                         | 7           | 9      | 9      | 9      | 34    | 7103          | 9132          | 9132          | 9132          | 20700          | 6.1   | 34500 | 10.1  | 41000 | 12.0  | 1785     | 2740   | 4012 |
|                         | 7           | 7      | 9      | 12     | 35    | 6900          | 6900          | 8871          | 11829         | 20700          | 6.1   | 34500 | 10.1  | 41000 | 12.0  | 1785     | 2740   | 4012 |
|                         | 9           | 9      | 9      | 9      | 36    | 8625          | 8625          | 8625          | 8625          | 20700          | 6.1   | 34500 | 10.1  | 41000 | 12.0  | 1785     | 2740   | 4012 |
|                         | 7           | 9      | 9      | 12     | 37    | 6527          | 8392          | 8392          | 11189         | 20700          | 6.1   | 34500 | 10.1  | 41000 | 12.0  | 1785     | 2740   | 4012 |
|                         | 7           | 7      | 12     | 12     | 38    | 6355          | 6355          | 10895         | 10895         | 20700          | 6.1   | 34500 | 10.1  | 41000 | 12.0  | 1785     | 2740   | 4012 |
|                         | 9           | 9      | 9      | 12     | 39    | 7962          | 7962          | 7962          | 10615         | 20700          | 6.1   | 34500 | 10.1  | 41000 | 12.0  | 1785     | 2740   | 4012 |
|                         | 7           | 7      | 7      | 18     | 39    | 6192          | 6192          | 6192          | 15923         | 20700          | 6.1   | 34500 | 10.1  | 41000 | 12.0  | 1785     | 2740   | 4012 |

Note:

1. Cooling Capacity is based on : indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB
2. Heating Capacity is based on : indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB
3. The total ability of connected a indoor unit is up to 39kBtu/h
4. At least two indoor units should be connected.

# MULTI F<sub>DX</sub> combination table

## FM40AH UH0

|    | Total Indoor Unit Capacity (kBtu/h) |     | Cooling Capacity |      |        |      |       |      | Input(W) |        |     |
|----|-------------------------------------|-----|------------------|------|--------|------|-------|------|----------|--------|-----|
|    |                                     |     | Min              |      | Rating |      | Max   |      |          |        |     |
|    |                                     |     | Btu/h            | kW   | Btu/h  | kW   | Btu/h | kW   | Min      | Rating | Max |
| 16 | 6400                                | 1.9 | 16000            | 4.7  | 19200  | 5.6  | 712   | 1695 | 2137     |        |     |
| 18 | 7200                                | 2.1 | 18000            | 5.3  | 21600  | 6.3  | 790   | 1885 | 2371     |        |     |
| 19 | 7600                                | 2.2 | 19000            | 5.6  | 22800  | 6.7  | 829   | 1980 | 2488     |        |     |
| 21 | 8400                                | 2.5 | 21000            | 6.2  | 25200  | 7.4  | 908   | 2170 | 2723     |        |     |
| 23 | 9200                                | 2.7 | 23000            | 6.7  | 27600  | 8.1  | 986   | 2360 | 2957     |        |     |
| 24 | 9600                                | 2.8 | 24000            | 7.0  | 28800  | 8.4  | 1025  | 2455 | 3074     |        |     |
| 25 | 10000                               | 2.9 | 25000            | 7.3  | 30000  | 8.8  | 1064  | 2550 | 3191     |        |     |
| 26 | 10400                               | 3.0 | 26000            | 7.6  | 31200  | 9.1  | 1103  | 2645 | 3309     |        |     |
| 27 | 10800                               | 3.2 | 27000            | 7.9  | 32400  | 9.5  | 1142  | 2742 | 3426     |        |     |
| 28 | 11200                               | 3.3 | 28000            | 8.2  | 33600  | 9.8  | 1181  | 2838 | 3543     |        |     |
| 30 | 12000                               | 3.5 | 30000            | 8.8  | 36000  | 10.6 | 1259  | 3030 | 3777     |        |     |
| 31 | 12400                               | 3.6 | 31000            | 9.1  | 37200  | 10.9 | 1298  | 3125 | 3895     |        |     |
| 32 | 12800                               | 3.8 | 32000            | 9.4  | 38400  | 11.3 | 1337  | 3221 | 4012     |        |     |
| 33 | 13200                               | 3.9 | 33000            | 9.7  | 39600  | 11.6 | 1376  | 3317 | 4129     |        |     |
| 34 | 13600                               | 4.0 | 34000            | 10.0 | 40800  | 12.0 | 1415  | 3413 | 4246     |        |     |
| 35 | 14000                               | 4.1 | 35000            | 10.3 | 42000  | 12.3 | 1454  | 3509 | 4363     |        |     |
| 36 | 14400                               | 4.2 | 36000            | 10.6 | 43200  | 12.7 | 1494  | 3605 | 4481     |        |     |
| 37 | 14800                               | 4.3 | 37000            | 10.8 | 44400  | 13.0 | 1533  | 3701 | 4598     |        |     |
| 38 | 15200                               | 4.5 | 38000            | 11.1 | 45600  | 13.4 | 1572  | 3797 | 4715     |        |     |
| 39 | 15600                               | 4.6 | 39000            | 11.4 | 46800  | 13.7 | 1611  | 3893 | 4832     |        |     |
| 40 | 16000                               | 4.7 | 40000            | 11.7 | 48000  | 14.1 | 1650  | 3900 | 4980     |        |     |
| 41 | 16000                               | 4.7 | 40000            | 11.7 | 48000  | 14.1 | 1651  | 3900 | 4980     |        |     |
| 42 | 16000                               | 4.7 | 40000            | 11.7 | 48000  | 14.1 | 1651  | 3850 | 4980     |        |     |
| 43 | 16000                               | 4.7 | 40000            | 11.7 | 48000  | 14.1 | 1651  | 3850 | 4980     |        |     |
| 44 | 16000                               | 4.7 | 40000            | 11.7 | 48000  | 14.1 | 1651  | 3800 | 4980     |        |     |
| 45 | 16000                               | 4.7 | 40000            | 11.7 | 48000  | 14.1 | 1651  | 3800 | 4980     |        |     |
| 46 | 16000                               | 4.7 | 40000            | 11.7 | 48000  | 14.1 | 1651  | 3750 | 4980     |        |     |
| 47 | 16000                               | 4.7 | 40000            | 11.7 | 48000  | 14.1 | 1651  | 3750 | 4980     |        |     |
| 48 | 16000                               | 4.7 | 40000            | 11.7 | 48000  | 14.1 | 1651  | 3700 | 4980     |        |     |
| 49 | 16000                               | 4.7 | 40000            | 11.7 | 48000  | 14.1 | 1651  | 3700 | 4980     |        |     |
| 50 | 16000                               | 4.7 | 40000            | 11.7 | 48000  | 14.1 | 1651  | 3650 | 4980     |        |     |
| 51 | 16000                               | 4.7 | 40000            | 11.7 | 48000  | 14.1 | 1651  | 3650 | 4980     |        |     |
| 52 | 16000                               | 4.7 | 40000            | 11.7 | 48000  | 14.1 | 1651  | 3650 | 4980     |        |     |

## FM40AH UH0

|    | Total Indoor Unit Capacity (kBtu/h) |     | Heating Capacity |      |        |      |       |      | Input(W) |        |     |
|----|-------------------------------------|-----|------------------|------|--------|------|-------|------|----------|--------|-----|
|    |                                     |     | Min              |      | Rating |      | Max   |      |          |        |     |
|    |                                     |     | Btu/h            | kW   | Btu/h  | kW   | Btu/h | kW   | Min      | Rating | Max |
| 16 | 7680                                | 2.3 | 19200            | 5.6  | 22080  | 6.5  | 947   | 2343 | 2722     |        |     |
| 18 | 8640                                | 2.5 | 21600            | 6.3  | 24840  | 7.3  | 1008  | 2563 | 2899     |        |     |
| 19 | 9120                                | 2.7 | 22800            | 6.7  | 26220  | 7.7  | 1039  | 2674 | 2988     |        |     |
| 21 | 10080                               | 3.0 | 25200            | 7.4  | 28980  | 8.5  | 1101  | 2894 | 3165     |        |     |
| 23 | 11040                               | 3.2 | 27600            | 8.1  | 31740  | 9.3  | 1162  | 3066 | 3342     |        |     |
| 24 | 11520                               | 3.4 | 28800            | 8.4  | 33120  | 9.7  | 1193  | 3128 | 3430     |        |     |
| 25 | 12000                               | 3.5 | 30000            | 8.8  | 34500  | 10.1 | 1224  | 3189 | 3519     |        |     |
| 26 | 12480                               | 3.7 | 31200            | 9.1  | 35880  | 10.5 | 1255  | 3250 | 3608     |        |     |
| 27 | 12960                               | 3.8 | 32400            | 9.5  | 37260  | 10.9 | 1286  | 3311 | 3696     |        |     |
| 28 | 13440                               | 3.9 | 33600            | 9.8  | 38640  | 11.3 | 1316  | 3373 | 3785     |        |     |
| 30 | 14400                               | 4.2 | 36000            | 10.6 | 41400  | 12.1 | 1378  | 3495 | 3962     |        |     |
| 31 | 14880                               | 4.4 | 37200            | 10.9 | 42780  | 12.5 | 1409  | 3556 | 4050     |        |     |
| 32 | 15360                               | 4.5 | 38400            | 11.3 | 44160  | 12.9 | 1440  | 3618 | 4139     |        |     |
| 33 | 15840                               | 4.6 | 39600            | 11.6 | 45540  | 13.3 | 1470  | 3679 | 4228     |        |     |
| 34 | 16320                               | 4.8 | 40800            | 12.0 | 46920  | 13.8 | 1501  | 3740 | 4316     |        |     |
| 35 | 16800                               | 4.9 | 42000            | 12.3 | 48300  | 14.2 | 1532  | 3801 | 4405     |        |     |
| 36 | 17136                               | 5.0 | 42840            | 12.6 | 49266  | 14.4 | 1563  | 3863 | 4493     |        |     |
| 37 | 17464                               | 5.1 | 43660            | 12.8 | 50209  | 14.7 | 1594  | 3924 | 4553     |        |     |
| 38 | 17784                               | 5.2 | 44460            | 13.0 | 51129  | 15.0 | 1624  | 3985 | 4553     |        |     |
| 39 | 18096                               | 5.3 | 45240            | 13.3 | 52026  | 15.2 | 1655  | 4000 | 4576     |        |     |
| 40 | 18400                               | 5.4 | 46000            | 13.5 | 53000  | 15.5 | 1686  | 4000 | 4600     |        |     |
| 41 | 18400                               | 5.4 | 46000            | 13.5 | 53000  | 15.5 | 1691  | 3950 | 4600     |        |     |
| 42 | 18400                               | 5.4 | 46000            | 13.5 | 53000  | 15.5 | 1691  | 3900 | 4600     |        |     |
| 43 | 18400                               | 5.4 | 46000            | 13.5 | 53000  | 15.5 | 1691  | 3900 | 4600     |        |     |
| 44 | 18400                               | 5.4 | 46000            | 13.5 | 53000  | 15.5 | 1691  | 3850 | 4600     |        |     |
| 45 | 18400                               | 5.4 | 46000            | 13.5 | 53000  | 15.5 | 1691  | 3850 | 4600     |        |     |
| 46 | 18400                               | 5.4 | 46000            | 13.5 | 53000  | 15.5 | 1691  | 3800 | 4600     |        |     |
| 47 | 18400                               | 5.4 | 46000            | 13.5 | 53000  | 15.5 | 1691  | 3800 | 4600     |        |     |
| 48 | 18400                               | 5.4 | 46000            | 13.5 | 53000  | 15.5 | 1691  | 3750 | 4600     |        |     |
| 49 | 18400                               | 5.4 | 46000            | 13.5 | 53000  | 15.5 | 1691  | 3750 | 4600     |        |     |
| 50 | 18400                               | 5.4 | 46000            | 13.5 | 53000  | 15.5 | 1691  | 3700 | 4600     |        |     |
| 51 | 18400                               | 5.4 | 46000            | 13.5 | 53000  | 15.5 | 1691  | 3700 | 4600     |        |     |
| 52 | 18400                               | 5.4 | 46000            | 13.5 | 53000  | 15.5 | 1691  | 3700 | 4600     |        |     |

Note:

- Cooling Capacity is based on : indoor temp. 27°C DB, 19°... WB; outdoor temp. 35°C DB
- Heating Capacity is based on : indoor temp. 20°C DB; outdoor temp. 7°C DB, 6°C WB
- The rated capacities above show the rise in the total indoor unit capacity when operating frequency is constant.  
Values for changes in capacity are fixed after accounting for variations in operating frequency and should be used as reference values.
- Total capacity index of indoor unit should be within 16~52 Btu/h (40%~130%)
- At least two indoor units should be connected.



# MULTI F<sub>DX</sub> combination table

## FM48AH UY0

| Total Indoor<br>Unit Capacity<br>(kBtu/h) | Cooling Capacity |     |        |       |        |       | Input(W) |        |       |
|---|------------------|-----|--------|-------|--------|-------|----------|--------|-------|
|   | Min              |     | Rating |       | Max    |       |          |        |       |
|   | Btu/h            | kW  | Btu/h  | kW    | Btu/h  | kW    | Min      | Rating | Max   |
| 19  | 7,385            | 2.2 | 19,000 | 5.57  | 22,800 | 6.68  | 829      | 1,731  | 2,552 |
| 20  | 7,774            | 2.3 | 20,000 | 5.86  | 24,000 | 7.03  | 868      | 1,825  | 2,664 |
| 21  | 8,162            | 2.4 | 21,000 | 6.15  | 25,200 | 7.39  | 907      | 1,920  | 2,776 |
| 22  | 8,551            | 2.5 | 22,000 | 6.45  | 26,400 | 7.74  | 946      | 2,014  | 2,888 |
| 23  | 8,940            | 2.6 | 23,000 | 6.74  | 27,600 | 8.09  | 985      | 2,109  | 3,000 |
| 24  | 9,328            | 2.7 | 24,000 | 7.03  | 28,800 | 8.44  | 1,024    | 2,203  | 3,112 |
| 25  | 9,717            | 2.8 | 25,000 | 7.33  | 30,000 | 8.79  | 1,063    | 2,298  | 3,224 |
| 26  | 10,106           | 3.0 | 26,000 | 7.62  | 31,200 | 9.14  | 1,102    | 2,392  | 3,336 |
| 27  | 10,494           | 3.1 | 27,000 | 7.91  | 32,400 | 9.50  | 1,141    | 2,487  | 3,448 |
| 28  | 10,883           | 3.2 | 28,000 | 8.21  | 33,600 | 9.85  | 1,180    | 2,581  | 3,560 |
| 29  | 11,272           | 3.3 | 29,000 | 8.50  | 34,800 | 10.20 | 1,219    | 2,676  | 3,672 |
| 30  | 11,660           | 3.4 | 30,000 | 8.79  | 36,000 | 10.55 | 1,258    | 2,770  | 3,784 |
| 31  | 12,049           | 3.5 | 31,000 | 9.09  | 37,200 | 10.90 | 1,297    | 2,865  | 3,896 |
| 32  | 12,438           | 3.6 | 32,000 | 9.38  | 38,400 | 11.25 | 1,336    | 2,959  | 4,008 |
| 33  | 12,826           | 3.8 | 33,000 | 9.67  | 39,600 | 11.61 | 1,375    | 3,054  | 4,120 |
| 34  | 13,215           | 3.9 | 34,000 | 9.96  | 40,800 | 11.96 | 1,414    | 3,148  | 4,232 |
| 35  | 13,604           | 4.0 | 35,000 | 10.26 | 42,000 | 12.31 | 1,453    | 3,243  | 4,344 |
| 36  | 13,992           | 4.1 | 36,000 | 10.55 | 43,200 | 12.66 | 1,492    | 3,337  | 4,456 |
| 37  | 14,381           | 4.2 | 37,000 | 10.84 | 44,400 | 13.01 | 1,531    | 3,432  | 4,568 |
| 38  | 14,770           | 4.3 | 38,000 | 11.14 | 45,600 | 13.36 | 1,570    | 3,526  | 4,680 |
| 39  | 15,159           | 4.4 | 39,000 | 11.43 | 46,800 | 13.72 | 1,609    | 3,621  | 4,792 |
| 40  | 15,547           | 4.6 | 40,000 | 11.72 | 48,000 | 14.07 | 1,648    | 3,715  | 4,904 |
| 41  | 15,936           | 4.7 | 41,000 | 12.02 | 49,200 | 14.42 | 1,687    | 3,810  | 5,016 |
| 42  | 16,325           | 4.8 | 42,000 | 12.31 | 50,400 | 14.77 | 1,726    | 3,904  | 5,128 |
| 43  | 16,713           | 4.9 | 43,000 | 12.60 | 51,600 | 15.12 | 1,765    | 3,999  | 5,240 |
| 44  | 17,102           | 5.0 | 44,000 | 12.90 | 52,800 | 15.47 | 1,804    | 4,093  | 5,352 |
| 45  | 17,491           | 5.1 | 45,000 | 13.19 | 54,000 | 15.83 | 1,843    | 4,188  | 5,464 |
| 46  | 17,879           | 5.2 | 46,000 | 13.48 | 55,200 | 16.18 | 1,882    | 4,282  | 5,576 |
| 47  | 18,268           | 5.4 | 47,000 | 13.77 | 56,400 | 16.53 | 1,921    | 4,377  | 5,688 |
| 48  | 18,656           | 5.5 | 48,000 | 14.07 | 57,600 | 16.88 | 1,960    | 4,471  | 5,800 |
| 49  | 18,637           | 5.5 | 48,000 | 14.07 | 57,686 | 16.91 | 1,944    | 4,460  | 5,789 |
| 50  | 18,674           | 5.5 | 48,000 | 14.07 | 57,773 | 16.93 | 1,928    | 4,449  | 5,779 |
| 51  | 18,712           | 5.5 | 48,000 | 14.07 | 57,860 | 16.96 | 1,912    | 4,438  | 5,768 |
| 52  | 18,749           | 5.5 | 48,000 | 14.07 | 57,946 | 16.98 | 1,896    | 4,427  | 5,758 |
| 53  | 18,787           | 5.5 | 48,000 | 14.07 | 58,033 | 17.01 | 1,880    | 4,416  | 5,747 |
| 54  | 18,824           | 5.5 | 48,000 | 14.07 | 58,120 | 17.03 | 1,864    | 4,405  | 5,737 |
| 55  | 18,862           | 5.5 | 48,000 | 14.07 | 58,208 | 17.06 | 1,848    | 4,394  | 5,726 |
| 56  | 18,900           | 5.5 | 48,000 | 14.07 | 58,295 | 17.08 | 1,832    | 4,383  | 5,716 |
| 57  | 18,937           | 5.6 | 48,000 | 14.07 | 58,382 | 17.11 | 1,816    | 4,372  | 5,705 |
| 58  | 18,975           | 5.6 | 48,000 | 14.07 | 58,470 | 17.14 | 1,800    | 4,361  | 5,695 |
| 59  | 19,013           | 5.6 | 48,000 | 14.07 | 58,558 | 17.16 | 1,784    | 4,350  | 5,684 |
| 60  | 19,051           | 5.6 | 48,000 | 14.07 | 58,645 | 17.19 | 1,768    | 4,339  | 5,674 |
| 61  | 19,089           | 5.6 | 48,000 | 14.07 | 58,733 | 17.21 | 1,752    | 4,328  | 5,663 |
| 62  | 19,128           | 5.6 | 48,000 | 14.07 | 58,821 | 17.24 | 1,736    | 4,317  | 5,653 |
| 63  | 19,166           | 5.6 | 48,000 | 14.07 | 58,910 | 17.26 | 1,720    | 4,306  | 5,642 |

## FM48AH UY0

| Total Indoor<br>Unit Capacity<br>(kBtu/h) | Heating Capacity |     |        |       |        |       | Input(W) |        |       |
|---|------------------|-----|--------|-------|--------|-------|----------|--------|-------|
|   | Min              |     | Rating |       | Max    |       |          |        |       |
|   | Btu/h            | kW  | Btu/h  | kW    | Btu/h  | kW    | Min      | Rating | Max   |
| 19  | 6,460            | 1.9 | 21,850 | 6.40  | 25,128 | 7.36  | 1,101    | 2,975  | 3,183 |
| 20  | 6,800            | 2.0 | 23,000 | 6.74  | 26,450 | 7.75  | 1,124    | 3,038  | 3,248 |
| 21  | 7,140            | 2.1 | 24,150 | 7.08  | 27,773 | 8.14  | 1,148    | 3,101  | 3,313 |
| 22  | 7,480            | 2.2 | 25,300 | 7.41  | 29,095 | 8.53  | 1,171    | 3,164  | 3,378 |
| 23  | 7,820            | 2.3 | 26,450 | 7.75  | 30,418 | 8.91  | 1,194    | 3,227  | 3,443 |
| 24  | 8,160            | 2.4 | 27,600 | 8.09  | 31,740 | 9.30  | 1,217    | 3,290  | 3,508 |
| 25  | 8,500            | 2.5 | 28,750 | 8.43  | 33,063 | 9.69  | 1,241    | 3,353  | 3,573 |
| 26  | 8,840            | 2.6 | 29,900 | 8.76  | 34,385 | 10.08 | 1,264    | 3,416  | 3,638 |
| 27  | 9,180            | 2.7 | 31,050 | 9.10  | 35,708 | 10.46 | 1,287    | 3,479  | 3,703 |
| 28  | 9,520            | 2.8 | 32,200 | 9.44  | 37,030 | 10.85 | 1,311    | 3,542  | 3,768 |
| 29  | 9,860            | 2.9 | 33,350 | 9.77  | 38,353 | 11.24 | 1,334    | 3,605  | 3,833 |
| 30  | 10,200           | 3.0 | 34,500 | 10.11 | 39,675 | 11.63 | 1,357    | 3,668  | 3,898 |
| 31  | 10,540           | 3.1 | 35,650 | 10.45 | 40,998 | 12.02 | 1,381    | 3,731  | 3,963 |
| 32  | 10,880           | 3.2 | 36,800 | 10.79 | 42,320 | 12.40 | 1,404    | 3,794  | 4,028 |
| 33  | 11,220           | 3.3 | 37,950 | 11.12 | 43,643 | 12.79 | 1,427    | 3,857  | 4,093 |
| 34  | 11,560           | 3.4 | 39,100 | 11.46 | 44,965 | 13.18 | 1,451    | 3,920  | 4,158 |
| 35  | 11,900           | 3.5 | 40,250 | 11.80 | 46,288 | 13.57 | 1,474    | 3,983  | 4,223 |
| 36  | 12,240           | 3.6 | 41,400 | 12.13 | 47,610 | 13.95 | 1,497    | 4,046  | 4,288 |
| 37  | 12,580           | 3.7 | 42,550 | 12.47 | 48,933 | 14.34 | 1,520    | 4,109  | 4,351 |
| 38  | 12,920           | 3.8 | 43,700 | 12.81 | 50,255 | 14.73 | 1,544    | 4,172  | 4,414 |
| 39  | 13,260           | 3.9 | 44,850 | 13.14 | 51,578 | 15.12 | 1,567    | 4,235  | 4,477 |
| 40  | 13,600           | 4.0 | 46,000 | 13.48 | 52,900 | 15.50 | 1,590    | 4,298  | 4,540 |
| 41  | 13,940           | 4.1 | 47,150 | 13.82 | 54,223 | 15.89 | 1,614    | 4,361  | 4,603 |
| 42  | 14,280           | 4.2 | 48,300 | 14.16 | 55,545 | 16.28 | 1,637    | 4,424  | 4,666 |
| 43  | 14,620           | 4.3 | 49,450 | 14.49 | 56,868 | 16.67 | 1,660    | 4,487  | 4,729 |
| 44  | 14,960           | 4.4 | 50,600 | 14.83 | 58,190 | 17.05 | 1,684    | 4,550  | 4,792 |
| 45  | 15,300           | 4.5 | 51,750 | 15.17 | 59,513 | 17.44 | 1,707    | 4,613  | 4,855 |
| 46  | 15,640           | 4.6 | 52,900 | 15.50 | 60,835 | 17.83 | 1,730    | 4,676  | 4,918 |
| 47  | 15,980           | 4.7 | 54,050 | 15.84 | 62,158 | 18.22 | 1,754    | 4,739  | 4,981 |
| 48  | 16,320           | 4.8 | 55,200 | 16.18 | 63,480 | 18.60 | 1,777    | 4,802  | 5,044 |
| 49  | 16,353           | 4.8 | 55,200 | 16.18 | 63,575 | 18.63 | 1,765    | 4,771  | 5,033 |
| 50  | 16,385           | 4.8 | 55,200 | 16.18 | 63,671 | 18.66 | 1,754    | 4,740  | 5,022 |
| 51  | 16,418           | 4.8 | 55,200 | 16.18 | 63,766 | 18.69 | 1,742    | 4,709  | 5,011 |
| 52  | 16,451           | 4.8 | 55,200 | 16.18 | 63,862 | 18.72 | 1,731    | 4,678  | 5,000 |
| 53  | 16,484           | 4.8 | 55,200 | 16.18 | 63,958 | 18.74 | 1,720    | 4,647  | 4,989 |
| 54  | 16,517           | 4.8 | 55,200 | 16.18 | 64,053 | 18.77 | 1,708    | 4,616  | 4,978 |
| 55  | 16,550           | 4.9 | 55,200 | 16.18 | 64,150 | 18.80 | 1,697    | 4,585  | 4,967 |
| 56  | 16,583           | 4.9 | 55,200 | 16.18 | 64,246 | 18.83 | 1,685    | 4,554  | 4,956 |
| 57  | 16,616           | 4.9 | 55,200 | 16.18 | 64,342 | 18.86 | 1,674    | 4,523  | 4,945 |
| 58  | 16,649           | 4.9 | 55,200 | 16.18 | 64,439 | 18.89 | 1,662    | 4,492  | 4,934 |
| 59  | 16,683           | 4.9 | 55,200 | 16.18 | 64,535 | 18.91 | 1,651    | 4,461  | 4,923 |
| 60  | 16,716           | 4.9 | 55,200 | 16.18 | 64,632 | 18.94 | 1,639    | 4,430  | 4,912 |
| 61  | 16,749           | 4.9 | 55,200 | 16.18 | 64,729 | 18.97 | 1,628    | 4,399  | 4,901 |
| 62  | 16,783           | 4.9 | 55,200 | 16.18 | 64,826 | 19.00 | 1,616    | 4,368  | 4,890 |
| 63  | 16,817           | 4.9 | 55,200 | 16.18 | 64,923 | 19.03 | 1,605    | 4,337  | 4,879 |

Note:

- Cooling Capacity is based on : indoor temp.27°... DB, 19°... WB; outdoor temp. 35°... DB
- Heating Capacity is based on : indoor temp.20°... DB; outdoor temp. 7°... DB, 6°... WB
- The rated capacities above show the rise in the total indoor unit capacity when operating frequency is constant.  
Values for changes in capacity are fixed after accounting for variations in operating frequency and should be used as reference values.
- Total capacity index of indoor unit should be within 19~63 Btu/h (40%~130%)
- At least two indoor units should be connected.

# MULTI F<sub>DX</sub> combination table

## FM56AH UY0

|    | Total Indoor Unit Capacity (kBtu/h) |     | Cooling Capacity |       |        |       |       |       | Input(W) |        |     |
|----|-------------------------------------|-----|------------------|-------|--------|-------|-------|-------|----------|--------|-----|
|    |                                     |     | Min              |       | Rating |       | Max   |       |          |        |     |
|    |                                     |     | Btu/h            | kW    | Btu/h  | kW    | Btu/h | kW    | Min      | Rating | Max |
| 22 | 8,551                               | 2.5 | 22,000           | 6.45  | 26,400 | 7.74  | 959   | 2,164 | 2,628    |        |     |
| 23 | 8,940                               | 2.6 | 23,000           | 6.74  | 27,600 | 8.09  | 999   | 2,251 | 2,745    |        |     |
| 24 | 9,328                               | 2.7 | 24,000           | 7.03  | 28,800 | 8.44  | 1,039 | 2,338 | 2,862    |        |     |
| 25 | 9,717                               | 2.8 | 25,000           | 7.33  | 30,000 | 8.79  | 1,079 | 2,425 | 2,979    |        |     |
| 26 | 10,106                              | 3.0 | 26,000           | 7.62  | 31,200 | 9.14  | 1,118 | 2,512 | 3,096    |        |     |
| 27 | 10,494                              | 3.1 | 27,000           | 7.91  | 32,400 | 9.50  | 1,158 | 2,599 | 3,212    |        |     |
| 28 | 10,883                              | 3.2 | 28,000           | 8.21  | 33,600 | 9.85  | 1,198 | 2,686 | 3,329    |        |     |
| 29 | 11,272                              | 3.3 | 29,000           | 8.50  | 34,800 | 10.20 | 1,237 | 2,773 | 3,446    |        |     |
| 30 | 11,660                              | 3.4 | 30,000           | 8.79  | 36,000 | 10.55 | 1,277 | 2,860 | 3,563    |        |     |
| 31 | 12,049                              | 3.5 | 31,000           | 9.09  | 37,200 | 10.90 | 1,317 | 2,947 | 3,680    |        |     |
| 32 | 12,438                              | 3.6 | 32,000           | 9.38  | 38,400 | 11.25 | 1,356 | 3,034 | 3,796    |        |     |
| 33 | 12,826                              | 3.8 | 33,000           | 9.67  | 39,600 | 11.61 | 1,396 | 3,121 | 3,913    |        |     |
| 34 | 13,215                              | 3.9 | 34,000           | 9.96  | 40,800 | 11.96 | 1,436 | 3,208 | 4,030    |        |     |
| 35 | 13,604                              | 4.0 | 35,000           | 10.26 | 42,000 | 12.31 | 1,476 | 3,295 | 4,147    |        |     |
| 36 | 13,992                              | 4.1 | 36,000           | 10.55 | 43,200 | 12.66 | 1,515 | 3,382 | 4,264    |        |     |
| 37 | 14,381                              | 4.2 | 37,000           | 10.84 | 44,400 | 13.01 | 1,555 | 3,469 | 4,380    |        |     |
| 38 | 14,770                              | 4.3 | 38,000           | 11.14 | 45,600 | 13.36 | 1,595 | 3,556 | 4,497    |        |     |
| 39 | 15,159                              | 4.4 | 39,000           | 11.43 | 46,800 | 13.72 | 1,634 | 3,643 | 4,614    |        |     |
| 40 | 15,547                              | 4.6 | 40,000           | 11.72 | 48,000 | 14.07 | 1,674 | 3,730 | 4,731    |        |     |
| 41 | 15,936                              | 4.7 | 41,000           | 12.02 | 49,200 | 14.42 | 1,714 | 3,817 | 4,848    |        |     |
| 42 | 16,325                              | 4.8 | 42,000           | 12.31 | 50,400 | 14.77 | 1,753 | 3,904 | 4,964    |        |     |
| 43 | 16,713                              | 4.9 | 43,000           | 12.60 | 51,600 | 15.12 | 1,793 | 3,991 | 5,081    |        |     |
| 44 | 17,102                              | 5.0 | 44,000           | 12.90 | 52,800 | 15.47 | 1,833 | 4,078 | 5,198    |        |     |
| 45 | 17,491                              | 5.1 | 45,000           | 13.19 | 54,000 | 15.83 | 1,873 | 4,165 | 5,315    |        |     |
| 46 | 17,879                              | 5.2 | 46,000           | 13.48 | 55,200 | 16.18 | 1,912 | 4,252 | 5,432    |        |     |
| 47 | 18,268                              | 5.4 | 47,000           | 13.77 | 56,400 | 16.53 | 1,952 | 4,339 | 5,548    |        |     |
| 48 | 18,657                              | 5.5 | 48,000           | 14.07 | 57,600 | 16.88 | 1,992 | 4,426 | 5,665    |        |     |
| 49 | 19,045                              | 5.6 | 49,000           | 14.36 | 58,800 | 17.23 | 2,031 | 4,513 | 5,782    |        |     |
| 50 | 19,434                              | 5.7 | 50,000           | 14.65 | 60,000 | 17.58 | 2,071 | 4,600 | 5,899    |        |     |
| 51 | 19,823                              | 5.8 | 51,000           | 14.95 | 61,200 | 17.94 | 2,111 | 4,687 | 6,016    |        |     |
| 52 | 20,211                              | 5.9 | 52,000           | 15.24 | 62,400 | 18.29 | 2,150 | 4,774 | 6,132    |        |     |
| 53 | 20,600                              | 6.0 | 53,000           | 15.53 | 63,600 | 18.64 | 2,190 | 4,861 | 6,249    |        |     |
| 54 | 20,989                              | 6.2 | 54,000           | 15.83 | 64,800 | 18.99 | 2,230 | 4,948 | 6,366    |        |     |
| 55 | 21,377                              | 6.3 | 55,000           | 16.12 | 66,000 | 19.34 | 2,270 | 5,035 | 6,483    |        |     |
| 56 | 21,766                              | 6.4 | 56,000           | 16.41 | 67,200 | 19.69 | 2,309 | 5,122 | 6,600    |        |     |
| 57 | 21,807                              | 6.4 | 56,000           | 16.41 | 67,334 | 19.73 | 2,298 | 5,109 | 6,593    |        |     |
| 58 | 21,848                              | 6.4 | 56,000           | 16.41 | 67,469 | 19.77 | 2,286 | 5,096 | 6,586    |        |     |
| 59 | 21,889                              | 6.4 | 56,000           | 16.41 | 67,604 | 19.81 | 2,275 | 5,083 | 6,579    |        |     |
| 60 | 21,930                              | 6.4 | 56,000           | 16.41 | 67,739 | 19.85 | 2,267 | 5,094 | 6,574    |        |     |
| 61 | 21,971                              | 6.4 | 56,000           | 16.41 | 67,875 | 19.89 | 2,247 | 5,085 | 6,563    |        |     |
| 62 | 22,012                              | 6.5 | 56,000           | 16.41 | 68,010 | 19.93 | 2,228 | 5,076 | 6,552    |        |     |
| 63 | 22,053                              | 6.5 | 56,000           | 16.41 | 68,146 | 19.97 | 2,208 | 5,067 | 6,541    |        |     |
| 64 | 22,095                              | 6.5 | 56,000           | 16.41 | 68,283 | 20.01 | 2,189 | 5,058 | 6,530    |        |     |
| 65 | 22,136                              | 6.5 | 56,000           | 16.41 | 68,419 | 20.05 | 2,169 | 5,049 | 6,519    |        |     |
| 66 | 22,178                              | 6.5 | 56,000           | 16.41 | 68,556 | 20.09 | 2,150 | 5,039 | 6,507    |        |     |
| 67 | 22,219                              | 6.5 | 56,000           | 16.41 | 68,693 | 20.13 | 2,130 | 5,030 | 6,496    |        |     |
| 68 | 22,261                              | 6.5 | 56,000           | 16.41 | 68,831 | 20.17 | 2,111 | 5,021 | 6,485    |        |     |
| 69 | 22,303                              | 6.5 | 56,000           | 16.41 | 68,968 | 20.21 | 2,091 | 5,012 | 6,474    |        |     |
| 70 | 22,344                              | 6.5 | 56,000           | 16.41 | 69,106 | 20.25 | 2,072 | 5,003 | 6,463    |        |     |
| 71 | 22,386                              | 6.6 | 56,000           | 16.41 | 69,244 | 20.29 | 2,052 | 4,994 | 6,452    |        |     |
| 72 | 22,428                              | 6.6 | 56,000           | 16.41 | 69,383 | 20.33 | 2,052 | 4,994 | 6,448    |        |     |
| 73 | 22,470                              | 6.6 | 56,000           | 16.41 | 69,590 | 20.39 | 2,042 | 4,986 | 6,432    |        |     |

## FM56AH UY0

|    | Total Indoor Unit Capacity (kBtu/h) |     | Heating Capacity |       |        |       |       |       | Input(W) |        |     |
|----|-------------------------------------|-----|------------------|-------|--------|-------|-------|-------|----------|--------|-----|
|    |                                     |     | Min              |       | Rating |       | Max   |       |          |        |     |
|    |                                     |     | Btu/h            | kW    | Btu/h  | kW    | Btu/h | kW    | Min      | Rating | Max |
| 22 | 7,480                               | 2.2 | 25,300           | 7.41  | 29,095 | 8.53  | 1,216 | 3,286 | 3,740    |        |     |
| 23 | 7,820                               | 2.3 | 26,450           | 7.75  | 30,418 | 8.91  | 1,241 | 3,353 | 3,830    |        |     |
| 24 | 8,160                               | 2.4 | 27,600           | 8.09  | 31,740 | 9.30  | 1,266 | 3,421 | 3,920    |        |     |
| 25 | 8,500                               | 2.5 | 28,750           | 8.43  | 33,063 | 9.69  | 1,291 | 3,488 | 4,010    |        |     |
| 26 | 8,840                               | 2.6 | 29,900           | 8.76  | 34,385 | 10.08 | 1,316 | 3,556 | 4,100    |        |     |
| 27 | 9,180                               | 2.7 | 31,050           | 9.10  | 35,708 | 10.46 | 1,341 | 3,624 | 4,190    |        |     |
| 28 | 9,520                               | 2.8 | 32,200           | 9.44  | 37,030 | 10.85 | 1,366 | 3,691 | 4,280    |        |     |
| 29 | 9,860                               | 2.9 | 33,350           | 9.77  | 38,353 | 11.24 | 1,391 | 3,759 | 4,370    |        |     |
| 30 | 10,200                              | 3.0 | 34,500           | 10.11 | 39,675 | 11.63 | 1,416 | 3,826 | 4,460    |        |     |
| 31 | 10,540                              | 3.1 | 35,650           | 10.45 | 40,998 | 12.02 | 1,441 | 3,894 | 4,550    |        |     |
| 32 | 10,880                              | 3.2 | 36,800           | 10.79 | 42,320 | 12.40 | 1,466 | 3,962 | 4,640    |        |     |
| 33 | 11,220                              | 3.3 | 37,950           | 11.12 | 43,643 | 12.79 | 1,491 | 4,029 | 4,730    |        |     |
| 34 | 11,560                              | 3.4 | 39,100           | 11.46 | 44,965 | 13.18 | 1,516 | 4,097 | 4,820    |        |     |
| 35 | 11,900                              | 3.5 | 40,250           | 11.80 | 46,288 | 13.57 | 1,541 | 4,164 | 4,910    |        |     |
| 36 | 12,240                              | 3.6 | 41,400           | 12.13 | 47,610 | 13.95 | 1,566 | 4,232 | 5,000    |        |     |
| 37 | 12,580                              | 3.7 | 42,550           | 12.47 | 48,933 | 14.34 | 1,591 | 4,300 | 5,090    |        |     |
| 38 | 12,920                              | 3.8 | 43,700           | 12.81 | 50,255 | 14.73 | 1,616 | 4,367 | 5,180    |        |     |
| 39 | 13,260                              | 3.9 | 44,850           | 13.14 | 51,578 | 15.12 | 1,641 | 4,435 | 5,270    |        |     |
| 40 | 13,600                              | 4.0 | 46,000           | 13.48 | 52,900 | 15.50 | 1,666 | 4,502 | 5,360    |        |     |
| 41 | 13,940                              | 4.1 | 47,150           | 13.82 | 54,223 | 15.89 | 1,691 | 4,570 | 5,450    |        |     |
| 42 | 14,280                              | 4.2 | 48,300           | 14.16 | 55,545 | 16.28 | 1,716 | 4,638 | 5,540    |        |     |
| 43 | 14,620                              | 4.3 | 49,450           | 14.49 | 56,868 | 16.67 | 1,741 | 4,705 | 5,630    |        |     |
| 44 | 14,960                              | 4.4 | 50,600           | 14.83 | 58,190 | 17.05 | 1,766 | 4,773 | 5,720    |        |     |
| 45 | 15,300                              | 4.5 | 51,750           | 15.17 | 59,513 | 17.44 | 1,791 | 4,840 | 5,810    |        |     |
| 46 | 15,640                              | 4.6 | 52,900           | 15.50 | 60,835 | 17.83 | 1,816 | 4,908 | 5,900    |        |     |
| 47 | 15,980                              | 4.7 | 54,050           | 15.84 | 62,158 | 18.22 | 1,841 | 4,976 | 5,990    |        |     |
| 48 | 16,320                              | 4.8 | 55,200           | 16.18 | 63,480 | 18.60 | 1,866 | 5,043 | 6,080    |        |     |
| 49 | 16,660                              | 4.9 | 56,350           | 16.51 | 64,803 | 18.99 | 1,891 | 5,111 | 6,170    |        |     |
| 50 | 17,000                              | 5.0 | 57,500           | 16.85 | 66,125 | 19.38 | 1,916 | 5,178 | 6,260    |        |     |
| 51 | 17,340                              | 5.1 | 58,650           | 17.19 | 67,448 | 19.77 | 1,941 | 5,246 | 6,350    |        |     |
| 52 | 17,680                              | 5.2 | 59,800           | 17.53 | 68,770 | 20.15 | 1,966 | 5,314 | 6,440    |        |     |
| 53 | 18,020                              | 5.3 | 60,950           | 17.86 | 70,093 | 20.54 | 1,991 | 5,381 | 6,530    |        |     |
| 54 | 18,360                              | 5.4 | 62,100           | 18.20 | 71,415 | 20.93 | 2,016 | 5,449 | 6,620    |        |     |
| 55 | 18,700                              | 5.5 | 63,250           | 18.54 | 72,738 | 21.32 | 2,041 | 5,516 | 6,710    |        |     |
| 56 | 19,040                              | 5.6 | 64,400           | 18.87 | 74,060 | 21.70 | 2,066 | 5,584 | 6,800    |        |     |
| 57 | 19,078                              | 5.6 | 64,400           | 18.87 | 74,156 | 21.73 | 2,057 | 5,559 | 6,789    |        |     |
| 58 | 19,116                              | 5.6 | 64,400           | 18.87 | 74,252 | 21.76 | 2,045 | 5,528 | 6,778    |        |     |
| 59 | 19,154                              | 5.6 | 64,400           | 18.87 | 74,348 | 21.79 | 2,034 | 5,497 | 6,767    |        |     |
| 60 | 19,193                              | 5.6 | 64,400           | 18.87 | 74,444 | 21.82 | 2,022 | 5,466 | 6,756    |        |     |
| 61 | 19,231                              | 5.6 | 64,400           | 18.87 | 74,540 | 21.85 | 2,011 | 5,435 | 6,745    |        |     |
| 62 | 19,270                              | 5.6 | 64,400           | 18.87 | 74,636 | 21.87 | 1,999 | 5,404 | 6,734    |        |     |
| 63 | 19,308                              | 5.7 | 64,400           | 18.87 | 74,732 | 21.90 | 1,988 | 5,373 | 6,723    |        |     |
| 64 | 19,347                              | 5.7 | 64,400           | 18.87 | 74,828 | 21.93 | 1,977 | 5,342 | 6,712    |        |     |
| 65 | 19,385                              | 5.7 | 64,400           | 18.87 | 74,924 | 21.96 | 1,965 | 5,311 | 6,701    |        |     |
| 66 | 19,424                              | 5.7 | 64,400           | 18.87 | 75,020 | 21.99 | 1,954 | 5,280 | 6,690    |        |     |
| 67 | 19,463                              | 5.7 | 64,400           | 18.87 | 75,116 | 22.01 | 1,942 | 5,249 | 6,679    |        |     |
| 68 | 19,502                              | 5.7 | 64,400           | 18.87 | 75,212 | 22.04 | 1,931 | 5,218 | 6,668    |        |     |
| 69 | 19,541                              | 5.7 | 64,400           | 18.87 | 75,308 | 22.07 | 1,919 | 5,187 | 6,657    |        |     |
| 70 | 19,580                              | 5.7 | 64,400           | 18.87 | 75,404 | 22.10 | 1,908 | 5,156 | 6,646    |        |     |
| 71 | 19,619                              | 5.7 | 64,400           | 18.87 | 75,500 | 22.13 | 1,896 | 5,125 | 6,635    |        |     |
| 72 | 19,659                              | 5.8 | 64,400           | 18.87 | 75,596 | 22.16 | 1,885 | 5,094 | 6,624    |        |     |
| 73 | 19,698                              | 5.8 | 64,400           | 18.87 | 75,600 | 22.16 | 1,876 | 5,069 | 6,613    |        |     |

# Convenient Central Controller

## MULTI F MULTI F DX

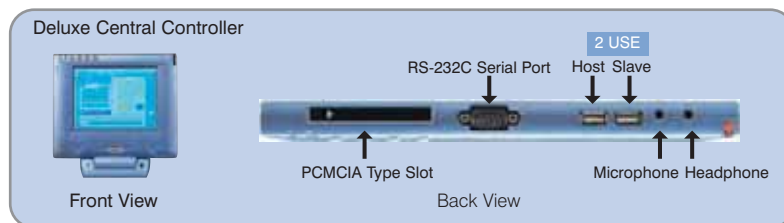
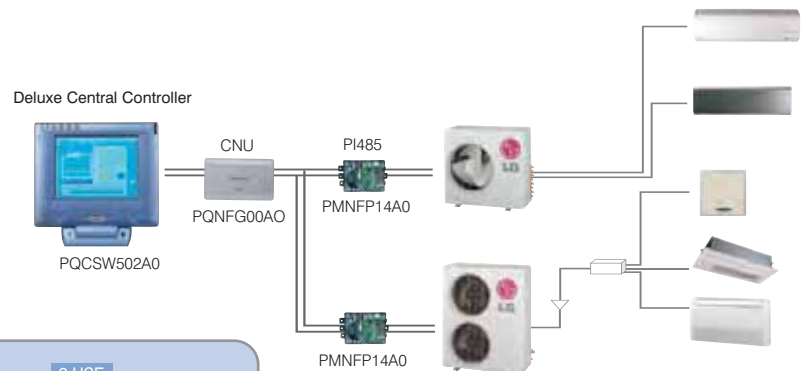
### Simple Central Controller

The simple central controller that can operate up to 16 units simultaneously.



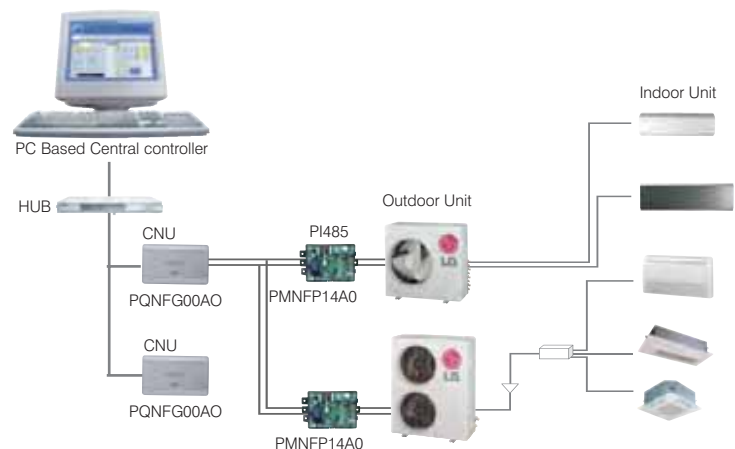
### Deluxe Central Controller

With an intuitively designed GUI and a user-friendly touch panel, you can simultaneously control up to 256 indoor units, and the system can be linked to the building management system.



### PC Based Controller

A PC based central controller can connect up to 16 CNU and one CNU can connect up to 8 outdoor units (PI485). This offers full centralised control from the PC or over the internet.



www.lgaircon.co.uk **LG Air Conditioning** heat recovery ventilator

## **ecoV**™ heat recovery ventilator



The LG heat recovery ventilation system, is the solution for improving your indoor air quality

**Ventilation is a process by which one can exchange indoor air to outdoor air in order to improve the air quality and to maintain environmental temperature conditions.**

With today's concern for a healthy indoor environment, **eco-V** should be an integral component of any HVAC system. Using **eco-V** in the HVAC system means contaminants will be removed quickly and effectively from the air conditioned space. A balance is thus achieved between indoor and outdoor ambient, enabling the cooling or heating load on the air conditioning system to be reduced significantly.

heat recovery ventilator

# heat recovery ventilator

## **ecoV**™ heat recovery ventilator

### Energy Savings

The indoor air is passed through the heat exchanger to prewarm or precool the incoming outside air, saving energy and money

### Low-noise Design

eco-V is acoustically engineered and tested for quiet operation ensuring comfort that is felt, not heard

### Easy Maintenance

The briefcase-style latches allow easy filter replacement and heat exchanger cleaning

### Efficiency & Comfort

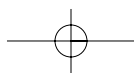
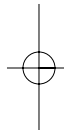
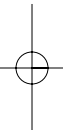
eco-V exhausts the polluted indoor air to outdoor and supplies the fresh outdoor air to indoor in order to maintain a healthy and comfortable indoor environment

### Air Purifying

Removing common pollutants from the air which create an unhealthy environment

## Specification

|                                 |                                 |                  | Unit      | LZ-H0506BA0         | LZ-H0806BA0         | LZ-H1006BA0         | LZ-H1506BA0         | LZ-H2006BA0         |                   |
|---------------------------------|---------------------------------|------------------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|-------------------|
| Nominal Capacity                |                                 |                  | CMH       | 500                 | 800                 | 1000                | 2000                | -                   |                   |
| Power Supply                    |                                 |                  | ø, V, Hz  | 1, 220 - 240, 50    | 1, 220 - 240, 50    | 1, 220 - 240, 50    | 1, 220 - 240, 50    | 1, 220 - 240, 50    |                   |
| ecoV™ mode                      | Step                            |                  | -         | SUPER-HIGH/HIGH/LOW | SUPER-HIGH/HIGH/LOW | SUPER-HIGH/HIGH/LOW | SUPER-HIGH/HIGH/LOW | SUPER-HIGH/HIGH/LOW |                   |
|                                 | Current                         | SH/H/L           | Amps      | 1.51/1.39/1.06      | 2.8/2.7/2.6         | 3.0/2.9/2.6         | 5.6/5.4/5.2         | 6.0/5.8/5.2         |                   |
|                                 | Power Input                     | SH/H/L           | W         | 260/225/200         | 405/360/320         | 510/485/430         | 760/740/600         | 1020/970/860        |                   |
|                                 | Air Flow                        | SH/H/L           | m3/hr     | 500/500/320         | 800/800/660         | 1000/1000/800       | 1500/1500/1200      | 2000/2000/1600      |                   |
|                                 | External Static Pressure        | SH/H/L           | Pa        | 150/60/28           | 200/110/60          | 160/90/50           | 200/110/60          | 160/90/50           |                   |
|                                 | Temperature Exchange Efficiency | SH/H/L           | %         | 75/75/79            | 79/79/82            | 75/75/78            | 79/79/82            | 75/75/78            |                   |
|                                 | Enthalpy Exchange Efficiency    | Heating (SH/H/L) | %         | 75/75/80            | 70/70/75            | 66/66/71            | 70/70/75            | 66/66/71            |                   |
|                                 |                                 | Cooling (SH/H/L) | %         | 70/70/75            | 65/65/70            | 61/61/66            | 65/65/70            | 61/61/66            |                   |
| Noise Level (Sound Level, 1.5m) | SH/H/L                          | dBA              | 34/32/25  | 36/34/30            | 37/35/31            | 39/37/33            | 39/37/33            |                     |                   |
| bypass mode                     | Step                            |                  | -         | SUPER-HIGH/HIGH/LOW | SUPER-HIGH/HIGH/LOW | SUPER-HIGH/HIGH/LOW | SUPER-HIGH/HIGH/LOW | SUPER-HIGH/HIGH/LOW |                   |
|                                 | Current                         | SH/H/L           | Amps      | 1.51/1.39/1.06      | 2.8/2.7/2.6         | 2.8/2.7/2.4         | 5.6/5.4/5.2         | 5.6/5.4/4.8         |                   |
|                                 | Power Input                     | SH/H/L           | W         | 260/225/200         | 473/462/397         | 562/542/471         | 946/924/794         | 1124/1084/942       |                   |
|                                 | Air Flow                        | SH/H/L           | m3/hr     | 500/500/320         | 800/800/660         | 1000/1000/800       | 1500/1500/1200      | 2000/2000/1600      |                   |
|                                 | External Static Pressure        | SH/H/L           | Pa        | 150/60/28           | 200/110/60          | 200/110/60          | 200/110/60          | 200/110/60          |                   |
|                                 | Temperature Exchange Efficiency | SH/H/L           | %         | -                   | -                   | -                   | -                   | -                   |                   |
|                                 | Enthalpy Exchange Efficiency    | Heating (SH/H/L) | %         | -                   | -                   | -                   | -                   | -                   |                   |
|                                 |                                 | Cooling (SH/H/L) | %         | -                   | -                   | -                   | -                   | -                   |                   |
| Noise Level (Sound Level, 1.5m) | SH/H/L                          | dBA              | 34/32/25  | 36/34/30            | 37/35/31            | 37/35/31            | 37/35/31            |                     |                   |
| Heat Exchanger type             |                                 |                  | -         | Crossflow           | Crossflow           | Crossflow           | Crossflow           | Crossflow           |                   |
| Weight                          |                                 |                  | kg        | 45                  | 63                  | 63                  | 138                 | 138                 |                   |
| Dimension                       |                                 |                  | W * H * D | mm                  | 988 * 273 * 1014    | 1063 * 365 * 1140   | 1063 * 365 * 1140   | 1313 * 737 * 1140   | 1313 * 737 * 1140 |
| Duct Work                       |                                 |                  | Qty       | EA                  | 4                   | 4                   | 4                   | 4                   |                   |
|                                 |                                 |                  | Size (®") | mm (inch)           | ø 200 (ø 7.87)      | ø 250 (ø 9.54)      | ø 250 (ø 9.54)      | ø 350 (ø 13.77)     | ø 350 (ø 13.77)   |
| Supply Air Fan                  |                                 |                  | Qty       | EA                  | 1                   | 1                   | 1                   | 1                   |                   |
|                                 |                                 |                  | Type      | -                   | Direct-Drive        | Direct-Drive        | Direct-Drive        | Direct-Drive        | Direct-Drive      |
| Exhaust Air Fan                 |                                 |                  | Qty       | -                   | 1                   | 1                   | 1                   | 1                   |                   |
|                                 |                                 |                  | Type      | -                   | Direct-Drive        | Direct-Drive        | Direct-Drive        | Direct-Drive        | Direct-Drive      |
| Filters                         |                                 |                  | Qty       | -                   | 2                   | 2                   | 2                   | 2                   |                   |
|                                 |                                 |                  | Type      | -                   | Cleanable           | Cleanable           | Cleanable           | Cleanable           | Cleanable         |
| Size (W * H * D)                |                                 |                  | mm        | 855 * 10 * 166      | 1056 * 10 * 212.5   | 1056 * 10 * 212.5   | 1056 * 10 * 212.5   | 1056 * 10 * 212.5   |                   |





**Core Air Conditioning**

Unit 6A  
Centre Point Business Park  
Oak Road  
Clondalkin  
Dublin 22

Tel: +353 (0)1 4098912  
Fax: +353 (0)1 4098916  
Email: info@coreac.com

**Osprey Air Limited**

Unit E1, Knights Park  
Knights Road  
Rochester  
Kent ME2 2LS

Tel: 01634 714300  
Fax: 01634 295350  
www.osprey-air.co.uk

**Dean & Wood Ltd**

Mole Business Park 3  
Station Road  
Leatherhead  
Surrey KT22 7BA

Tel: 01372 364244  
Fax: 01372 373727  
Email: sales@dean-wood.co.uk  
Web: www.dean-wood.com

**Dean & Wood Ireland Ltd**

Unit 6  
Airton Close  
Tallaght  
Dublin 24

Tel: +353 (0)1 451 4100  
Fax: +353 (0)1 461 0406  
Email: dwi@dean-wood.com  
Web: www.dean-wood.com

**Hawco**

The Wharf, Abbey Mill Business Park  
Lower Eashing  
Goldalming  
Surrey GU7 2QN

Tel: 01483 869070  
Fax: 01483 869001  
Email: info@hawco.co.uk

**Shorts Environmental**

15 Kingsgate  
Bradford Business Park  
Canal Road  
Bradford BD1 4SJ

Tel: 01274 744277  
Fax: 01274 736212  
Email: info@shorts-env.co.uk

**Thermofrost Cryo Plc**

2 Ernest Avenue  
London SE27 0DA

Tel: 0208 655 7600  
Fax: 0208 761 8081  
Email: sales@thermofrostcryo.co.uk

**Thermofrost Cryo Plc**

Robert Fawkes House  
Rea Street South  
Birmingham B5 6LB

Tel: 0121 622 6325  
Fax: 0121 622 7268  
Email: sales@thermofrostcryo.co.uk

**Oceanair (UK) Ltd**

Unit K4, Prospect Close  
Lowmoor Business Park  
Kirkby in Ashfield  
Nottinghamshire NG17 7LF

Tel: 01623 727 414  
Fax: 01623 727 419  
www.oceanair.co.uk

**Oceanair Distribution Ltd**

Unit 3, Burns Way  
Holmbush Potteries Estate  
Faygate, Horsham  
West Sussex RH12 4ST

Tel: 01293 852 550  
Fax: 01293 852 551  
www.oceanair.co.uk

**LG Comfort Cooling Limited (LGCC)**

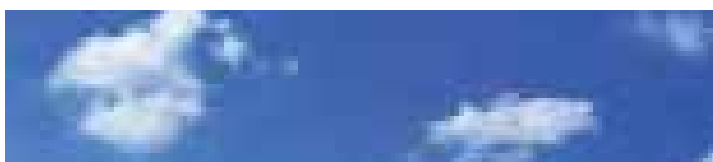
Universal House  
Station Road  
Coleshill,  
Birmingham B46 3EY

Tel: 01675 467500  
Fax: 01675 467100  
Email: sales@lgcomfortcooling.com

**Wave Air Conditioning**

Unit 5, Hamilton Close,  
Houndsmill Industrial Estate,  
Basingstoke RG21 6YT

Tel: 01256 403000  
Fax:  
Email: jim.deighton@wave-ac.co.uk

**LG Electronics (UK) Ltd**

LG House  
250 Bath Road  
Slough  
Berkshire  
SL1 4DX  
www.lgaircon.co.uk